Tawanna R. Dillahunt

Associate Professor

Employment

9/2023– present	**Massachusetts Institute of Technology (MIT) Martin Luther King Visiting Professor,** Department of Urban Studies and Planning (DUSP)
9/2020–present	**Associate Professor (with tenure)**, School of Information, University of Michigan
2/2021–present	**UM Affiliate Faculty,** Science, Technology, and Public Policy, Ford School of Public Policy, University of Michigan
9/2020–9/2023	**Associate Professor (courtesy)**, Computer Science and Engineering, University of Michigan
10/2022 - 6/2023	**Fellowships at Auschwitz for the Study of Professional Ethics (FASPE) Faculty co-advisor with Dr. Mary Gray**, Design and Technology
9/2022–7/2023	**William-Bentick Smith Fellow,** Harvard Radcliffe Institute
1/2022–12/2022	**Visiting Research Consultant,** Microsoft Research Cambridge (virtual)
9/2014–8/2020	**Assistant Professor (tenure-track)**, School of Information, University of Michigan
9/2014-8/2020	**Assistant Professor (courtesy)**, Computer Science and Engineering, University of Michigan
6/2014–9/2014	**Visiting Professor,** School of Information, University of Michigan
1/2013–6/2014	**Presidential Postdoctoral Fellow**, School of Information, University of Michigan; Mentor: Dr. Paul Resnick
6/2011-12/2013	**Chief Technology Officer, Product Lead, Product Developer,** *EEme, Pittsburgh, PA*
2007-2012	**Carnegie Mellon University**, *Human-Computer Interaction Institute, School of Computer Science, Pittsburgh, PA* Graduate Researcher
Summer 2010	**IBM TJ Watson Research**, *Social Computing Group, Hawthorne, NY* Research Intern
2006-2007	**Intel Corporation**, *LAN Access Division, Hillsboro, OR* Network Software Engineer

2000-2006	**Intel Corporation**, *Desktop Boards Division, Hillsboro, OR* Software Engineer, Software Validation Lead (2006)
Summer 1999	**General Electric Lighting**, *Global Infrastructure, Nela Park, OH* Network Summer Intern
Summer 1996-1998	**IBM**, *Networking Hardware Division (1998); Networking Software Division (1996-1997), Research Triangle Park, NC* Inroads Intern

Education

2013	**Ph.D. in Human-Computer Interaction**, Carnegie Mellon University Area: Human-Computer Interaction (HCI), Pervasive and Ubiquitous Computing (Ubicomp), Computer Supported Collaborative Work and Social Computing (CSCW); Advisor: Dr. Jennifer Mankoff Thesis Topic: *Using Social Technologies to Increase Sharing and Communication around Household Energy Consumption in Low-Income and Rental Communities*
2011	**M.S., Human-Computer Interaction**, Carnegie Mellon University
2005	**M.S., Computer Science, Human-Computer Interfaces**, Oregon Graduate Institute at the Oregon Health and Science University
2000	**B.S., Computer Engineering**, North Carolina State University, Magna Cum Laude

Professional Development

2023	**Sloan Executive Certificate, MIT, Sloan Executive Certificate,** Strategy and Innovation and Management and Leadership
2022	**Diversity & Inclusion Certificate**, eCornell

Honors And Awards

2023-2024	MIT MLK Visiting Scholar
2023	Association for Computing Machinery (ACM) Computer-Supported Cooperative Work & Social Computing (CSCW) Best Paper Award, Honorable Mention
2023	ACM CSCW Impact Recognition Award
2023	ACM CSCW Recognition for Contribution to Diversity and Inclusion
2023	ACM Designing Interactive Systems (DIS) Best Paper Award
2022-2023	Radcliffe Fellow at the Radcliffe Institute for Advanced Study
2022	ACM CHI Best Paper Honorable Mention
2021	ACM Distinguished Member
2021	UMSI (Faculty) Diversity Equity and Inclusion Award Winner
2020	Eastside Community Network's (ECN) Outstanding Partner Award, which honors a community leader or organization that exemplifies a selfless commitment to the betterment of eastside residents, businesses and our children.
2020	Recipient of the Inaugural Skill Ellis Early Career Award
2020	ACM CHI Best Paper Honorable Mention
2019	ACM CHI Best Paper
2018	ACM CHI Best Paper Honorable Mention
2018	ACM DIS Best Paper Honorable Mention
2018	Fellow, Aspen Ideas Festival
2018	UMSI Joan Durrance Community Engagement Award

2015	ACM Conference on Pervasive and Ubiquitous Computing (Ubicomp), Best Paper Award Honorable Mention
2015	Kavli Fellow, National Academy of Sciences
2015	Consortium for the Science of Sociotechnical Systems (CSST) Fellow
2013, 2014	Richard Tapia Scholarship Recipient
2013	University of Michigan Presidential Postdoctoral Fellow
2012	Ford Fellowship Dissertation Competition, Honorable Mention
2011, 2012	IBM Ph.D. Fellowship Recipient
2011	Fran Allen IBM Ph.D. Fellowship
2009-2012	Xerox Technical Minority Scholarship recipient

PUBLICATIONS (Underline indicates students at the time of publication, * indicates shared authorship, ***indicates community members)

PEER-REVIEWED JOURNALS

[J.23] *Kotturi, Y., *Hui, J., ***Johnson, TJ, ***Sanifu, Lu, and **Dillahunt, T.R.** (2023). Sustaining Community-Based Research in Computing: Lessons from Two Tech Capacity Building Initiatives for Local Businesses. In *Proceedings of the Association for Computing Machinery (ACM) Human-Computer Interaction* 8, CSCW1 *(to appear)* (April 2024)

[J.22] Williamson, A.K., Antonio, M.G., ***Davis, S., Kameswaran, V., **Dillahunt, T.R.,** Buis, L.R., Veinot, T.C. (2023). Human technology intermediation to reduce cognitive load: understanding healthcare staff members' practices to facilitate telehealth access in an FQHC patient population. *Journal of the American Medical Informatics Association (JAMIA),* ocad257.

[J.21] Hui, J., Seefeldt, K., Baer, C., ***Sanifu, L., ***Jackson, A. and **Dillahunt, T. R.** (2023). Community Tech Workers: Scaffolding Digital Engagement Among Underserved Minority Businesses. In *Proceedings of the ACM Hum.-Comput. Interact. 7, CSCW2*, Article 331 (2023), 25 pages. **Best Paper Award, Honorable Mention** (top 5%), and **Recognition Impact Recognition Award**

[J.20] Israni, A., Hui, J. and **Dillahunt, T.R.** (2023). Opportunities for Social Media to Support Aspiring Entrepreneurs with Financial Constraints. In *Proceedings of the ACM Hum.-Comput. Interact. 7, CSCW1*, Article 143 (April 2023), 27 pages.

[J.19] Hsiao, J.C.Y., Darling, S. and **Dillahunt, T.R.** (2023). How Recent Migrants Develop Trust Through Community Commerce: The Emergence of Sociotechnical Adaptation. In *Proceedings of the ACM Hum.-Comput. Interact. 7, CSCW1,* Article 135 (April 2023), 24 pages. **Recognition for Contribution to Diversity and Inclusion**

[J.18] Lu, A.J., Gilhool, A., Hsiao, J.C.Y. and **Dillahunt, T.R.** (2023). Emotional Labor in Everyday Resilience: Class-Based Experiences of Navigating Unemployment Amid the COVID-19 Pandemic in the U.S. In *Proceedings of the ACM Hum.-Comput. Interact. 6, CSCW2,* Article 388 (November 2022), 27 pages.

[J.17] Antonio, M. G., Williamson, A.K., Kameswaran, V., Beals, A., Ankrah, E., Goulet, S., Wang, Y., Macias, G., ***James-Gist, J., Brown, L.K., ***Davis, S.,

Pillai, S., Buis, L., **Dillahunt, T.,** & Veinot, T. C. (2023). Targeting patients' cognitive load for telehealth video visits through student-delivered helping sessions at a United States federally qualified health center: equity-focused, mixed methods pilot intervention study. *Journal of Medical Internet Research,* 25, e42586.

[J.16] Veinot, T. C., Clarke, P. J., Romero, D. M., Buis, L. R., **Dillahunt, T. R.**, Vydiswaran, V. G., Beals, A., Brown, L., Richards, O., Williamson, A., & Antonio, M. G. (2022). Equitable research PRAXIS: A framework for health informatics methods. *Yearbook of Medical Informatics*, 31(01), 307-316.

[J.15] **Dillahunt, T.R.**, Rodrigues, S.L., Hsiao, C.Y., Cherubini, M. (2022). Self-regulation and Autonomy in the Job Search: Key Factors to Support Job Search among Swiss Job Seekers. *Interacting with Computers, 33(5),* 537-563.

[J.14] **Dillahunt, T.R.**, Garvin, M., Held, M., Hui, J. (2021). Implications for Supporting Marginalized Job Seekers: Lessons from Employment Centers. In *Proceedings of the ACM Hum.-Comput. Interact.,* Vol. 5, No. CSCW2, Article 324 (October 2021).

[J.13] Lu, A., **Dillahunt, T.R.**, Marcu, G., Ackerman, M. (2021). Data Work in Education: Enacting and Negotiating Care and Control in Teachers' Use of Data-driven Classroom Surveillance Technology. In *Proceedings of the ACM Hum.-Comput. Interact.,* Vol. 5, No. CSCW1, Article 452 (October 2021).

[J.12] Israni, A., Ellison, N.B., **Dillahunt, T.R.** (2021). `A Library of People': Online Resource-Seeking in Low-Income Communities. In *Proceedings of the ACM Hum.-Comput. Interact.,* Vol. 5, No. CSCW1, Article 152 (April 2021).

[J.11] Yan, X., Zhao, X., Han, Y., Van Hentenryck, P., & **Dillahunt, T.** (2021). Mobility-on-demand versus fixed-route transit systems: an evaluation of traveler preferences in low-income communities. *Transportation Research Part A Policy and Practice 148*, 481-495.

[J.10] Li, L., **Dillahunt, T.R.**, Rosenblat, T. (2019). Does 'Gig work' help to mitigate the negative effects of long-term unemployment for low-skilled job seekers? In *Proceedings of the ACM on Human-Computer Interaction,* (CSCW)*,* Vol. 3, 156 (November 2019). [Acceptance Rate: 31%].

[J.9] Avle, S., Hui, J., Lindtner, S., **Dillahunt, T.R.** (2019). Additional Labors of the Entrepreneurial Self. In *Proceedings of the ACM on Human-Computer Interaction* (CSCW), Vol. 3, 218 [Acceptance Rate: 31%].

[J.8] Goodspeed, R., Xie, T., **Dillahunt, T.R.**, Lustig, J. (2019). An alternative to slow transit, drunk driving, and walking in bad weather: An exploratory study of resourcing mode choice and demand. *Journal of Transport Geography,* Vol. 79, 2019, 102481.

[J.7] **Dillahunt, T.R.** and Veinot, T.C. (2018). Getting There: Barriers and Facilitators to Transportation Access in Underserved Communities. In *ACM Transactions on Computer-Human Interaction* (TOCHI)*, 25*(5), 29.

[J.6] Hsiao, J.C., **Dillahunt, T.R**. (2018). Technology to Support Immigrant Access to Social Capital and Adaptation to a New Country. In *Proceedings of the ACM on Human-Computer Interaction,* (CSCW), Vol. 2., 70. [Acceptance rate: 25.6%]

[J.5] Hui, J., Toyama, K., Pal, J., **Dillahunt, T.R.** (2018). Making a Living My Way: Necessity-driven Entrepreneurship in Resource-Constrained Communities. In *Proceedings of the ACM on Human-Computer Interaction* (CSCW),Vol. 2., 70. [Acceptance rate: 25.6%]

[J.4] **Dillahunt, T.R.,** *Wang, X., *Wheeler, E., Cheng, H.F., Hecht, B., Zhu, H. (2017). The Sharing Economy in Computing: A Systematic Literature Review. *Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing 1*(CSCW), 38. [Acceptance rate: 27.3%]. *=equal contribution.

[J.3] **Dillahunt, T.R.**, Lyra, O., Barreto, M., Karapanos, E. (2017). Reducing children's psychological distance from climate change via eco-feedback technologies. *International Journal of Child-Computer Interaction, 13, 19-28*.

[J.2] Vyas, D., **Dillahunt, T.R.** (2017). Everyday Resilience: Supporting Resilient Strategies among Low Socioeconomic Status Communities. *Proceedings of the ACM on Human-Computer Interaction, 1*(CSCW)*,* 105. [Acceptance rate: 27.3%]

[J.1] **Dillahunt, T**., Wang, Z., Teasley, S.D. Democratizing Higher Education: Exploring MOOC Use Among Those Who Cannot Afford a Formal Education. *The International Review of Research in Open and Distance Learning* 15, no. 5 (2014).

Peer-Reviewed Conference Proceedings

[C.38] Lu, A.J., Moy, C., Ackerman, M., Morenoff, J., **Dillahunt, T.R.** (2024). "Better than Nothing": Detroit Residents' Compromised Perceptions of Policing Surveillance Technologies. In *Proceedings of the 2024 Association for Computing Machinery (ACM) Fairness, Accountability, and Transparency* (to appear).

[C.37] Lu, A.J., Wikstrom, E., **Dillahunt, T.R.** (2024). Contamination, Otherness, and Negotiating Bottum-Up Sociotechnical Imaginaries in Participatory Speculative Design. In *Proceedings of the 2024 ACM Participatory Design Conference Conference*, ACM, New York, NY, USA (to appear).

[C.36] Hui, J., Seefeldt, K., ***Sanifu, L., Baer, C., Szomstein, J., **Dillahunt, T.R. (**2024). "I was able to give her the confidence": Reciprocal Capacity Building in a Community-based Program for Digital Engagement. In *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems* (CHI '24). ACM, New York, NY, USA (to appear).

[C.35] **Dillahunt, T.R.** Lu, A.J., ***Velazquez, J. (2023). Eliciting Alternative Economic Futures with Working-Class Detroiters: Centering Afrofuturism in Speculative Design. In *Proceedings of the ACM Designing Interactive Systems Conference* (DIS '23). ACM, New York, NY, USA. [Acceptance Rate 25%]

[C.34] Lu A.J., Sannon, S., Moy, C., ***Brewer, S., ***Green, J., ***Jackson, K.N., ***Reeder, D., ***Wafer, C., Ackerman, M.S., and **Dillahunt, T.R.** (2023).

Participatory Noticing through Photovoice: Engaging Arts-and Community-Based Approaches in Design Research. In *Proceedings of DIS '23*. ACM, New York, NY, USA. **Best Paper Award** (top 1%) [Acceptance Rate 25%]

[C.33] Lu, A. J., Sannon, S., Moy, C., ***Brewer, S., ***Green, J., ***Jackson, K. N., ***Reeder, D., ***Wafer, C., Ackerman, M.S., and **Dillahunt, T. R.** (2023). Shifting from Surveillance-as-Safety to Safety-through-Noticing: A Photovoice Study with Eastside Detroit Residents. In *Proceedings of CHI '23*. ACM, New York, NY, USA [Acceptance Rate: 28.39%].

[C.32] **Dillahunt, T.R.***, ***Sawwan, M*., Wood, D., Wimer, B.L., Conrado, A.M. Eihcer-Miller, H., Gura, A.Z., Metoyer, R. (2023). Understanding Food Planning Strategies of Food Insecure Populations: Implications for Food-Agentic Technologies. In *Proceedings of CHI '23*. ACM, New York, NY, USA [Acceptance Rate: 28.39%] *Equal contribution

[C.31] **Dillahunt, T.R.**, Maestre, J.F., Kameswaran, V., Poon, E., Osorio, J., Gallardo, M., Rasmussen, S.E., Shih, P.C., ***Bagley, A., ***Young, S.L.A., Veinot, T. Trust, Reciprocity, and the Role of Timebanks as Intermediaries: Design Implications for Addressing Healthcare Transportation Barriers. (2022). In *Proceedings CHI '2022*. ACM, New York, NY, USA [Acceptance Rate: 24.7%]

[C.30] **Dillahunt, T. R.,** Lu, A. J., Israni, A., Lodha, R., ***Brewer, S., ***Robinson, T. S., ***Wilson, A.B., Wheeler, E. (2022, April). The Village: Infrastructuring Community-based Mentoring to Support Adults Experiencing Poverty. In *Proceedings of CHI '22.* ACM, New York, NY, USA [Acceptance Rate: 24.7%] **Best Paper Award, honorable mention** (top 5%)

[C.29] Lu, Alex J., Marcu, G., Ackerman, M., **Dillahunt, T.R.** (2021). Coding Bias in the Use of Behavior Management Technologies: Uncovering Socio-technical Consequences of Data-driven Surveillance in Classrooms. *In Proceedings of DIS '21*. ACM, New York, NY, USA, 508–522. [Acceptance rate: ~26%] **Best Paper Award, honorable mention** (top 5%)

[C.28] Cherubini, M., Lu, A.J., Hsiao, J.C., Zhao, M., Aggarwal, A., and **Dillahunt, T.R.** (2021). Elucidating Skills for Job Seekers: Insights and Critical Concerns from a Field Deployment in Switzerland. In *Proceedings of DIS '21*. ACM, New York, NY, USA. [Acceptance rate: ~26%]

[C.27] **Dillahunt, T.R.** *Israni, A., *Lu, A.J., Cai, M., Hsiao, J.C.Y. (2021). Examining the Use of Online Platforms for Employment: A Survey of US Job Seekers. In *Proceedings of CHI '21*. ACM, New York, NY, USA, Article 562, 1–23. [Acceptance rate: 25.7%].
*-equal contribution

[C.26] Harrington, C.N., **Dillahunt, T.R.** (2021). Eliciting Tech Futures Among Black Young Adults: A Case Study of Remote Speculative Co-Design. In *Proceedings CHI '21*. ACM, New York, NY, USA, Article 397, 1–15. [Acceptance rate: 25.7%].

[C.25] Maestre, J.F., **Dillahunt, T.R.**, Theisz, A.A. Furness, M., Kameswaran, V., Veinot, T., Shih, P.C. (2021). Examining mobility among people living with HIV in rural areas. In *Proceedings CHI '21*. ACM, New York, NY, USA, Article 201, 1–17. [Acceptance rate: 25.7%].

[C.24] **Dillahunt, T.R.**, Hsiao, J.C.Y. (2021). SkillsIdentifier: A Tool to Promote Career Identity and Self-efficacy Among Underrepresented Job Seekers. In *Proceedings of the 54th Hawaii International Conference on System Sciences* (HICSS' 21). Institute of Electrical and Electronics Engineers (IEEE), New York, NY. [Acceptance rate: 47%].

[C.23] **Dillahunt, T.R**., Hsiao, J.C.Y. (2020). Positive Feedback and Self-Reflection: Features to Support Self-Efficacy among Resource-Constrained Job Seekers. In *Proceedings CHI '20*. ACM, New York, NY, USA, 1-13.[Acceptance rate: 24.3%]

[C.22] Hui, J., Toyama, K., **Dillahunt, T.R.** (2020). Community Collectives: Low-tech Social Support for Digitally-Engaged Entrepreneurship. In *Proceedings of CHI '20*. ACM, New York, NY, USA. [Acceptance rate: 24.3%] **Best Paper Award, honorable mention** (top 5%)

[C.21] **Dillahunt, T.R.**, Lu, A. (2019). DreamGigs: Designing a Tool to Empower Low-Resource Job Seekers. In *Proceedings of CHI '19.* ACM, New York, NY, USA. [Acceptance rate: 23.8%]

[C.20] **Dillahunt, T.R.**, Simioni, S., Xu, X. (2019). Online Grocery Delivery Services: An Opportunity to Address Food Disparities in Transportation-Scarce Areas. In *Proceedings of CHI '19*. ACM, New York, NY, USA. [Acceptance rate: 23.8%] **Best Paper Award** (top 1%)

[C.19] Obgonnaya-Ogburu, I.F., Toyama, K., **Dillahunt, T.R.**, (2019). Towards an Effective Digital Literacy Intervention to Assist Returning Citizens with Job Search. In *Proceedings of CHI '19*. ACM, New York, NY, USA. [Acceptance rate: 23.8%]

[C.18] **Dillahunt, T.R.,** Lam, J., Lu, A., Wheeler, E. (2018). Designing Future Employment Applications for Underserved Job Seekers: A Speed Dating Study. In *Proceedings of DIS 18*. ACM, New York, NY, USA. [Acceptance rate: 23%] **Best Paper Award, honorable mention** (top 5%)

[C.17] **Dillahunt, T.R.,** Kameswaran, V., McLain, D., ***Lester, M., ***Orr, D., Toyama, K. (2018). Entrepreneurship and the Socio-Technical Chasm in a Lean Economy. In *Proceedings of CHI '18*. ACM, New York, NY, USA. [Acceptance rate: 25.7%] **Best Paper Award, honorable mention** (top 5%)

[C.16] Wheeler, E. and **Dillahunt, T.R.** (2018). Navigating the Job Search as a Low-Resourced Job Seeker. In *Proceedings CHI '18*. ACM, New York, NY, USA. [Acceptance rate: 25.7%]

[C.15] Kameswaran, V., Cameron, L., **Dillahunt, T.R**. (2018). Support for Social and Cultural Capital Development in Real-time Ridesharing Services. In *Proceedings of CHI '18*. ACM, New York, NY, USA. [Acceptance rate: 25.7%]

[C.14] Hsiao, J.C., Moser, C., Schoenebeck, S. and **Dillahunt, T.R.** (2018). The Role of Demographics, Trust, Computer Self-efficacy, and Ease of Use in the Sharing Economy. In *Proceedings of the 1st ACM SIGCAS Conference on Computing and Sustainable Societies* (COMPASS '18). ACM, New York, NY, USA.

[C.13] **Dillahunt, T.R.**, Kameswaran, V., Li, L., Rosenblat, T. (2017). Uncovering the Values and Constraints of Real-time Ridesharing for Low-resourced Populations. In *Proceedings of CHI '17*. ACM, New York, NY, USA. [Acceptance rate: 25%]

[C.12] Hsiao, C.Y., **Dillahunt**, **T.R.** (2017). People-Nearby Applications: How Newcomers Move Their Relationships Offline and Develop Social and Cultural Capital. In *Proceedings of the 18th international conference of the Computer Supported Cooperative Work and Social Computing Conference* (CSCW '17). ACM, New York, NY, USA. [Acceptance rate: 34%].

[C.11] **Dillahunt, T.**, Bose, N., Diwan, S., Chen-Phang, A. Designing for Disadvantaged Job Seekers: Insights from Early Investigations. (2016). In *Proceedings of DIS '16.* ACM, New York, NY, USA. [Acceptance rate: 26%].

[C.10] **Dillahunt, T.**, Ng, S., Fiesta, M., Wang, Z. (2016). Do Massive Open Online Course Platforms Support Employability? In *Proceedings of CSCW '16*. [Acceptance rate: 25%]. ACM, New York, NY, USA.

[C.9] Wyche, S., **Dillahunt, T.R.**, Simiyu, N., and Alaka, S. **(2015).** "If God Gives me the Chance I will Design my Own Phone": Exploring Mobile Phone Repair and Postcolonial Approaches to Design in Rural Kenya. In *Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing*. ACM. (UbiComp '15). ACM, New York, NY, USA. **Best Paper Award, honorable mention**, [Acceptance rate: 23.6%].

[C.8] **Dillahunt, T.R.**, and Malone, A.R. (2015). The Promise of the Sharing Economy among Disadvantaged Communities. In *Proceedings of CHI '15*. ACM, New York, NY, USA. [Acceptance rate: 23%].

[C.7] **Dillahunt, T.R.**, (2014). Fostering Social Capital in Economically Distressed Communities. In *Proceedings of CHI '14*. ACM, New York, NY, USA. [Acceptance rate: 22.8%]

[C.6] **Dillahunt, T.**, Mankoff, J. (2014). Understanding factors of successful engagement around energy consumption between and among households. *Proceedings of CSCW '14*. ACM, New York, NY, USA. [Acceptance rate: 27%]

[C.5] Shrinivasan, Y., Jain, M., Seetharam, D., Choudhary, A., Huang, E., **Dillahunt, T.**, Mankoff, J. (2013). Deep Conservation in Urban India and its Implications for the Design of Conservation Technologies. *Proceedings CHI '13*. ACM, New York, NY, USA. [Acceptance rate: 20%]

[C.4] **Dillahunt, T.**, Mankoff, J., Paulos, E. (2010). Understanding conflict between landlords and tenants: Implications for energy sensing and feedback. In *Proceedings of UbiComp '10*. ACM, New York, NY, USA. [Acceptance rate: 19.3%]

[C.3] Mankoff, J., Fussell, S., **Dillahunt, T.**, Glaves, R., Grevet, C., Johnson, M., Matthews, D., Matthews, H.S., McGuire, R., Thompson, R. (2010). StepGreen.org: Increasing energy saving behaviors via social networks. *International AAAI Conference on Weblogs and Social Media* (ICWSM). ACM, New York, NY, USA. [Acceptance rate: 19%]

[C.2] **Dillahunt, T.**, Mankoff, J., Paulos, E., Fussell, S. (2009). It's not all about green: energy use in low-income communities. *Proceedings of UbiComp '09.* ACM, New York, NY, USA. [Acceptance rate: 12.9%]

[C.1] Froehlich, J., **Dillahunt, T.**, Klansja, P., Mankoff, J., Consolvo, S., Harrison, B., Landay, J. (2009). UbiGreen: investigating a mobile tool for tracking and supporting green transportation habits. In *Proceedings of CHI '09*. ACM, New York, NY, USA. [Acceptance rate: 24%]

Workshops Organized (Lightly Reviewed)

[W.3] Cameron, L., Christin, A., DeVito, M.A., **Dillahunt, T.R.**, Elish, M., Gray, M., Qadri, R., Raval, N., Valentine, M., Watkins, E.A. (2021)."This Seems to Work": Designing Technological Systems with The Algorithmic Imaginations of Those Who Labor. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21)* Workshop.

[W.2] Sturdee, M., Lindley, J., Linehan, C., Elsden, C., Kumar, N., **Dillahunt, T.R.**, Mandryk, R.L., Vines, J. (2021). Consequences, Schmonsequences! Considering the Future as Part of Publication and Peer Review in Computing Research Workshop. In *Proceedings CHI '21* Workshop.

[W.1] **Dillahunt, T.R.**, Erete, S., Galusca, R., Israni, A., Nacu, D., Sengers, P. (2017). In *Proceedings of the 20th international conference of the Computer Supported Cooperative Work and Social Computing* (CSCW) Conference Workshop: Reflections on design methods for underserved communities.

Workshop Position Papers (Lightly Reviewed)

[WPP.11] Williams, A., Davis, S., Goulet, S., Kameswaran, V., Ankrah, E., **Dillahunt, T**., Buis, L., Veinot, T. (2020). Intermediary Practices for Low-Income Telehealth Users in the COVID-19 Era. Workshop on Interactive Systems in Healthcare (WISH) 2020 @ American Medical Informatics Association (AMIA).

[WPP.10] **Dillahunt, T.R.** and Harrington, C.N. (2020). Eliciting Speculative Design Fictions from the Margins. In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems* (CHI '20). Design Futures Workshop.

[WPP.9] Fedosof, A., Lampinen, A., **Dillahunt, T.**, Light, A., Ceshire, C. (2019). Special Interest Group on Cooperativism and Human-Computer Interaction at CHI.

[WPP.8] Hui, J., **Dillahunt, T.** (2018). Opportunities for Supporting Micro-entrepreneurs in Resource-Constrained Communities. In *Proceedings of the*

Computer Supported Cooperative Work and Social Computing, Vol. 2. No. CSCW, Power Struggles in the Digital Economy Workshop.

[WPP.7] Hui, J., Wheeler, E., **Dillahunt, T.** (2018). Sensemaking for Professional Development: Opportunities and Challenges. In *Proceedings of CHI '18*. Sensemaking Workshop.

[WPP.6] **Dillahunt, T.,** Wang, Y. (2018). Non-cognitive Assessments at Scale: MOOCs and Employability. *Companion* Proceedings *8th International Conference on Learning Analytics & Knowledge* (LAK18).

[WPP.5] Kameswaran, V., Marathe, M., **Dillahunt, T.**, Pal, Joyojeet, Reinecke, K., and Toyama, K. (2016). Project boost: Addressing the "socio" in a socio-technical system to improve income-earning opportunities in urban America. In *Proceedings of the 33rd international conference on Human factors in computing systems* (CHI'16). Workshop: Development Consortium 2016: HCI Across Borders.

[WPP.4] **Dillahunt, T.** (2013). Creating resilient communities for post-sustainable times, In *Proceedings of the 31st international conference on Human factors in computing systems* (CHI' 13), Workshop: Post-Sustainability, 2013.

[WPP.3] Jain, M., Shrinivasan, Y., **Dillahunt, T.** (2013). Replicating Residential Sustainability Study in Urban India. In *Proceedings of the 31st international conference on Human factors in computing systems* (CHI '13), Workshop: Replication 2013.

[WPP.2] **Dillahunt, T.** Mankoff, J., Forlizzi, J. (2010). A proposed framework for assessing environmental sustainability in the HCI community. In *Proceedings of the 29th international conference on Human factors in computing systems* (CHI '10), Workshop: Examining appropriation, reuse, and maintenance.

[WPP.1] **Dillahunt, T.**, Becker, G., Mankoff, J., Kraut, R. (2008). Motivating environmentally sustainable behavior changes with a virtual polar bear. In *Pervasive 2008* Workshop Proceedings. Workshop: Pervasive Persuasive Technology and Environmental Sustainability.

Extended Abstracts / Posters (Lightly Reviewed)

[E.14] **Dillahunt, T.R.**, Shedden, K., Filipof, M.E., Lee, S., Naseem, M., Toyama, K., Hui, J. Toward a Measure of Collective Digital Capacity: An Exploratory Analysis. In *Extended Abstracts of the 2024 CHI Conference on Human Factors in Computing Systems* (to appear)

[E.13] Lee, S., Hui, J., ***Rowe, Z., & Dillahunt, T. R. (2023, April). A Collective Approach to Providing Digital Skills Training Among US Public Housing Residents. In *Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems* (pp. 1-6).

[E.12] Hsiao, J.C.Y., **Dillahunt, T.R.**, (2021). More than Shared Ethnicity: Shared Identity's Role in Transnational Newcomers' Trust in Local Consumer-to-Consumer

E-commerce. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems* Late-Breaking Works *(CHI '21)*.

[E.11] Kwon, S.A., Keshav, C., Schaub, F., **Dillahunt, T.** (2019). Emokey: Tangible Online Authentication. In *Fifteenth Symposium on Usable Privacy and Security* (SOUPS 2019 Posters).

[E.10] Starks, D.L., **Dillahunt, T.**, and Oliver L. Haimson. (2019). Designing Technology to Support Safety for Transgender Women & Non-Binary People of Color. In *Companion Publication of the 2019 on Designing Interactive Systems Conference 2019 Companion* (DIS '19 Companion). ACM, New York, NY, USA, 289-294.

[E.9] Obgonnaya-Ogburu, I.F., Toyama, K., and **Dillahunt, T.** (2018). Returning Citizens' Job Search and Technology Use: Preliminary Findings. In *Companion of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing* (CSCW '18). ACM, New York, NY, USA, 365-368.

[E.8] Lu, A, Brill, J., and **Dillahunt, T.R.** (2018). DreamGigs: A. In *Companion of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing* (CSCW '18). ACM, New York, NY, USA, 317-320.

[E.7] Hsiao, C.Y., **Dillahunt, T.R.** (2017). People-nearby applications: How newcomers move their relationships offline and develop social and cultural capital. In *Proceedings of the 34th international conference on Human factors in computing systems* (CHI '17). Late Breaking Work, Extended Abstracts on Human factors in computing systems.

[E.6] Wheeler, E., **Dillahunt, T.R.**, Rieh, S.Y. (2017). Opportunities to address Information poverty with social search. In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems* (pp. 2224-2231). ACM.

[E.5] **Dillahunt, T.**, Brooks, C., Gulati, S. (2015). Detecting and Visualizing Filter Bubbles in Google and Bing. In *Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems* (pp. 1851-1856). ACM.

[E.4] Brooks, C., Stalburg, C., **Dillahunt, T.**, Robert, L. (2015). Learn with Friends: The Effects of Student Face-to-Face Collaborations on Massive Open Online Course Activities. In *Proceedings of the Second (2015) ACM Conference on Learning@ Scale* (pp. 241-244). ACM.

[E.3] Jen, B., Kaur, J., De Heus, J., **Dillahunt, T.** (2014). Analyzing Employment Technologies for Economically Distressed Individuals. In *Proceedings of the extended abstracts of the 32nd annual ACM conference on Human factors in computing systems* (pp. 1945-1950). ACM.

[E.2] **Dillahunt, T.,** Chen, B., Teasley, S. (2014). Model Thinking: Demographics and Performance of Students Unable to Afford a Formal Education. In *Proceedings of the first ACM conference on Learning@scale conference* (pp. 145-146). ACM.

[E.1] Lee, M., **Dillahunt, T.**, Pendleton, B., Kraut, R., Kiesler, S. (2009). Tailoring websites to increase contributions to online communities. In *CHI'09 Extended Abstracts on Human Factors in Computing Systems* (pp. 4003-4008).

Peer-Reviewed Articles

[A.8] Lu, A. J., Sannon, S., ***Brewer, S., ***Jackson, K. N., ***Green, J., ***Reeder, D., ***Wafer, C., & **Dillahunt, T. R.** (2023, April). Organizing Community-based Events in Participatory Action Research: Lessons Learned from a Photovoice Exhibition. In *Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems* (pp. 1-8).

[A.7] Ahmed, S. I., Amrute, S., Bardzell, J., Bardzell, S., Bidwell, N., **Dillahunt, T.**, Gaytán, S., Karusala, N., Kumar, N., Guzmán, R.L., Mustafa, M., Nardi, B., Nathan, L. Parvin, N., Patin, B., Rouse, R., Spiel, K., Prietch, S.S., Wang, D., & Wong-Villacrés, M. (2022). Citational justice and the politics of knowledge production. *interactions*, 29(5), 78-82.

[A.6] Brown, Q., Grandison, T., Jenkins, O.C., Burge, J.D., **Dillahunt, T.**, Thomas, J.O., Erete, S. & Rankin, Y.A. (2021). "Reflecting on being black in computing." *interactions,* 28(5), 34-37.

[A.5] Erete, S., Israni, A., and **Dillahunt, T.** 2018. An intersectional approach to designing in the margins. *Interactions* 25, 3 (April 2018), 66-69. DOI: https://doi.org/10.1145/3194349

[A.4] Silberman, M.S., Nathan, L., Knowles, B., Bendor, R., Clear, A., Håkansson, **Dillahunt, T**., Mankoff, J. Next steps for sustainable HCI. *Interactions*, September – October 2014.

Invited Articles

[A.3] Brown, Q., Grandison, T., Burge, J.D., Jenkins, O.C., **Dillahunt, T**. (2021). Reflections on black in computing. *Communications of the ACM (CACM)*, Volume 64, Issue 4, pages 23-24. ACM, NY, NY.

[A.2] **Dillahunt, T.** (2017). Technology for Underserved Communities. *ACM Queue Research for Practice:* Expert-curated guides to the best of CS research.

[A.1] **Dillahunt, T.** (2011). In the dark, out in the cold. *XRDS*: Crossroads, The *ACM Magazine for Students*.

Technical Reports and Policy Briefs

[TRPB.4] Putnam, M., **Dillahunt, T**., & Glosser, A. (December 2021) New Directions in Employment and Training Research and Evaluation: Digital Employment Tools Created with Approaches from Human-Computer Interaction, Next Steps for Employment and Training Research: Roundtable and White Papers. Prepared for *The Administration for Children and Families' Office of Planning, Research, and Evaluation,* OPRE Report #2021-242.

[TRPB.3] Dillahunt, T.R., Lu, A.J., Branche-Wilson, A. (2021). The Promises and Perils of Technology for Marginalized Job Seekers, *University of Michigan Poverty Solutions,* pages 1–7.

[TRPB.2] Dillahunt, T.R., Yan, Y. (2019). Mobility-on-Demand Versus Fixed-route Transit Systems: An Evaluation of Traveler Preferences in Low-income Communities, *University of Michigan Poverty Solutions*, pages 1–4.

[TRPB.1] **Dillahunt, T.**, Mankoff, J. (2012). Design implications for social-energy applications. CMU-HCII-12-100, SCS, Carnegie Mellon University, *Human-Computer Interaction Institute Collection*.

Externally Invited Talks and Panels

[E-T.55] Community-Engaged Approaches to Rethinking Safety Infrastructures: Cases of Speculative Design and Photovoice, **Stanford HCI Seminar**, Stanford, CA. February 16, 2024.

[E-T.54] Just Climate Futures Panelist, **Norman B. Leventhal Center for Advanced Urbanism (LCAU) 10th Anniversary, Massachusetts Institute of Technology (MIT)**, Cambridge, MA. November 17, 2023.

[E-T.53] Community-Driven Urbanism: Rethinking Digital Strategies for Equity, REGENERATE: A Critical Intersection of AI, Urbanism, and Climate Change, **Norman B. Leventhal Center for Advanced Urbanism (LCAU) 10th Anniversary, MIT**, Cambridge, MA. November 17, 2023.

[E-T.52] Amplifying Voices: Community-Engaged Surveillance Redesign via Speculative Design and Photovoice, **MIT, Institute for Data, Systems, and Society (IDSS), Initiative on Combatting Systemic Racism (ICSR)**, Cambridge, MA. November 16, 2023.

[E-T.51] Rethinking Digital Platforms for Equitable Employment Access: Empowering Marginalized Job Seekers with Alternative Approaches to Employment, **University of Toronto, Schwartz Reisman Institute (SRI) Seminar Series** (virtual), Cambridge, MA. November 15, 2023.

[E-T.50] Amplifying Voices: Community-Engaged Surveillance Redesign via Speculative Design and Photovoice, **MIT, Computer Science & Artificial Intelligence Laboratory (CSAIL),** Cambridge, MA. November 14, 2023.

[E-T.49] In Search of Community-Based Solutions to Transportation Challenges among Minoritized Communities, **MIT, Department of Urban Studies and Planning, Public Participation & Information Technology, Digital & Energy Transitions and Urban Science,** Cambridge, MA. November 10, 2023.

[E-T.48] Reimagining Tech Design: Crafting Inclusive Futures Through Alternative Narratives, **Harvard University, Center for Research on Computation and Society (CRCS),** Cambridge, MA. November 6, 2023.

[E-T.47] Rethinking Digital Platforms for Equitable Employment Access: Empowering Marginalized Job Seekers with Alternative Approaches to Employment, **University of Lausanne,** Lausanne, Switzerland. June 13, 2023.

[E-T.46] Professional & Academic Networking, **Computing Research Association Widening Participation (CRA-WP) Cohort Workshop for Inclusion, Diversity, Equity, Accessibility, and Leadership Skills (IDEALS),** Honolulu, Hawaii. March 24, 2023.

[E-T.45] Increasing Fairness in the Review Process: Combatting Subfield Bias, **ACM Publications Board Session on Diversity Equity and Inclusion in ACM Publications** (virtual), November 2023.

[E-T.44] Collecting and Disseminating Alternative Narratives of Digital Futures: A Discussion of Equitable Approaches, **Harvard's Science, Technology, and Society (STS) Seminar,** Cambridge, MA. November 14, 2022.

[E-T.43] Speculative Futuring: Toward equitable digital futures among marginalized communities, **Harvard Radcliffe Private Talks**, Cambridge, MA. October 25, 2022.

[E-T.42] Just Tech: Centering Community-Driven Innovation at the Margins episode 2, **Microsoft Research Podcast** (virtual), March 31, 2022.

[E-T.41] Building with, not for: Case Studies of Community-Driven Employment Innovations, **Microsoft Research, Race and Technology: A Research Lecture Series** (virtual), March 30, 2022.

[E-T.40] In Search of Community-Based Solutions to Transportation Challenges among Historically-Excluded and Transportation-Scarce Communities, **University College London Interaction Center (UCLIC) Virtual Seminar Series** (virtual)**,** March 9, 2022.

[E-T.39] In Search of Community-Based Solutions to Transportation Challenges among Historically-Excluded and Transportation-Scarce Communities, **NYU Center for Urban Science + Progress (CUSP),** (virtual), November 19, 2021.

[E-T.38] Rethinking the Role of Digital Employment Tools: Providing support among Job Seekers Experiencing Marginalization, **Yale Computation & Society Initiative**, (virtual), April 23, 2021.

[E-T.37] Rethinking the Role of Digital Employment Tools: Providing Support among Job Seekers Experiencing Marginalization, **Microsoft Research** (virtual), April 20, 2021.

[E-T.36] Rethinking the Role of Digital Employment Tools: Providing support among Job Seekers Experiencing Marginalization, **Carnegie Mellon University, Human-Computer Interaction Institute** (virtual), February 19, 2021.

[E-T.35] Panelist for A Conversation About an Inclusive Future of Work, Microsoft New Future of Work workshop (virtual), summer 2020.

[E-T.34] Panelist for the Building Adaptive Capacity in learning environments in the time of COVID-19: (Towards) Evidence-Driven Innovation and Resilience at the University of Michigan MIDAS workshop (virtual), summer 2020.

[E-T.33] Panelist for Transparency in Qualitative Research: Increasing Fairness in the CHI Review Process (virtual), summer 2020.

[E-T.32] Invited panelist for CHIME's Being a Minority in SIGCHI (virtual), summer 2020.

[E-T.31] Invited speaker to ACM Council Meeting, Increasing Fairness in the Review Process: Combatting Subfield Bias (virtual), October 2, 2020.

[E-T.30] Designing and Envisioning Digital Tools for Low-resource Job Seekers in the U.S., **International Institute of Information Technology-Bangalore (Center for Information Technology and Public Policy)**, Karnataka, India. August 1, 2019.

[E-T.29] Designing and Envisioning Digital Tools for Low-resource Job Seekers in the U.S., **Microsoft-Research Lab-Bangalore**, Karnataka, India. July 30, 2019.

[E-T.28] How to Social Media Responsibly, **DiverseNote Mobility Technical Education Training Program**, Detroit, MI. July 11, 2019.

[E-T.27] Designing Next Generation Digital Employment Tools: Year 2 Report Out, **Michigan Works! Southeast Workforce Development Board Meeting**, Chelsea, MI. July 10, 2019.

[E-T.26] Designing and Envisioning Digital Tools for Low-resource Job Seekers. **University of California Irvine (UC-Irvine),** Irvine, California. May 17, 2019.

[E-T.25] Designing and Envisioning Digital Tools for Low-resource Job Seekers. **Detroit Employment Solutions Corporation**, Detroit, MI. March 22, 2019.

[E-T.24] Designing and Envisioning Digital Tools for Low-resource Job Seekers. Computing Research Association Women/Institute for African-American Mentoring in Computer Science (CRA-W/iAAMCS) **Distinguished Lecture Series at the Minnesota Women In Computing** (Minne-WIC), University of Minnesota Duluth (UMD), Duluth, Minnesota. February 16, 2019.

[E-T.23] Screenshot: How to Social Media Responsibly at the Challenge to Change Expo-Youth Edition, **Ypsilanti Community High School**, Ypsilanti, Michigan. February 9, 2019.

[E-T.22] Designing and Envisioning Digital Tools for Low-resource Job Seekers, **Mechanism Design for Social Good (MD4SG) Online Colloquium Series. Virtual.** January 25, 2019.

[E-T.21] Designing for Employability: Envisioning Tools for Low-resource Job Seekers, **Monthly Data@Work Researcher's Call, University of Chicago** (virtual), July 18, 2018.

[E-T.20] Designing for Employability: Envisioning Tools for Low-resource Job Seekers, **Stanford**, HCI Seminar Series, Stanford, CA. May 18, 2018.

[E-T.19] Designing for Employability: Envisioning Tools for Low-resource Job Seekers, **Michigan Works! Southeast Workforce Development Board Meeting**, Chelsea, MI. May 9, 2018.

[E-T.18] Next Generation Employment Tools: End of Year Report Out, **Michigan Works! Association**, Ypsilanti, MI. March 9, 2018.

[E-T.17] How are technologies being used to support underserved learners? Learning with MOOCs conference panelist. **University of Austin**, Austin, Texas. October 9, 2017.

[E-T.16] The Challenges and Opportunities for Real-time Ridesharing Services to address Unemployment Barriers among Low-Resourced Populations. Technology & Social Behavior Seminar Series, **Northwestern University**. Evanston, IL. April 13, 2017.

[E-T.15] The Challenges and Opportunities for Real-time Ridesharing Services to address Unemployment Barriers among Low-Resourced Populations. Human-Computer Interaction Institute Seminar Series at **Carnegie Mellon University**, Pittsburgh, PA. April 7, 2017.

[E-T.14] The Challenges and Opportunities for Real-time Ridesharing Services to address Unemployment Barriers among Low-Resourced Populations. Design Use Build (dub), HCI & Design at the **University of Washington**. Seattle, WA. March 8, 2017.

[E-T.13] The digital-sharing economy at work: How riders living in transportation-scarce areas of Detroit experience Uber. The Hope Village Initiative, **FocusHOPE**, Detroit, MI. February 22, 2017.

[E-T.12] Exploring Opportunities for Information and Communication Technologies to Address the Employment Needs of Underserved Populations. Information & Media Lecture Series at **Michigan State University**, East Lansing, MI. February 7, 2017.

[E-T.11] Investigating Opportunities for Information and Communication Technologies to Address the Employment Needs of Underserved Populations. **University of California Berkeley**, Institute of Design (BID). Berkeley, CA. November 8, 2016.

[E-T.10] Addressing the Employment Needs of Underserved Populations with ICTs. GroupLens. **University of Minnesota**. Minneapolis, MN. May 31, 2016.

[E-T.9] Increasing Socio-technical capital for Employment with Information and Communication Technologies (ICTs). **Howard University**, Department of Computer Science. Washington, DC. February 25, 2016.

[E-T.8] Fostering Social Capital in Economically Distressed Communities. **Focus Hope Village** Initiative Leadership meeting. Detroit, MI. February 25, 2015.

[E-T.7] Connecting Disadvantaged Populations to ICTs. Ph.D. Alumni in Academia panel. **Carnegie Mellon**. HCII 20th Anniversary. Pittsburgh, PA. November 15, 2014.

[E-T.6] Unlocking the Hidden Potential of Massive Open Online Courses. **Keynote for the Pittsburgh Science and Learning Center's (PSLC's) Professional Development Workshop at Carnegie Mellon University**. Pittsburgh, PA. June 15, 2014.

[E-T.5] Can you do good and do well? Exploring HCI Careers for Societal Impact. **The ACM Conference on Human Factors in Computing Systems** (CHI). Toronto, CA. May 1, 2014.

[E-T.4] Fostering Social Capital in Economically Distressed Communities. Technology and Social Behavior Group at **Northwestern University**. Evanston, IL. March 26, 2014.

[E-T.3] Understanding Massive Open Online Courses as a Pathway to Employment for Low-Income Populations. **Massive Open Online Courses Research Initiative**. Arlington, TX. December 6, 2013.

[E-T.2] Leveraging ICTs to Address Environmental and Socioeconomic Issues among Disadvantaged Populations. Proactive Health Informatics Speaker Series and Rob Kling Center for Social Informatics at **Indiana University**. Bloomington, IN. October 25, 2013.

[E-T.1] Using Social Technologies to Increase Sharing and Communication around Household Energy Consumption in Low-Income and Rental Communities. **Rochester Institute of Technology**. Rochester, NY. September 20, 2013.

University of Michigan Invited Talks and Panels

[UM-T.7] Women In Tech: Closing the Gap Panelist, **University of Michigan's Detroit Center** (virtual), March 30, 2022.

[UM-T.6] The platform economy at work: How drivers and riders experience Uber. **Interdisciplinary Committee on Organizational Studies (ICOS) Ross School of Business**, Ann Arbor, MI. November 10, 2016.

[UM-T.5] Exploring Opportunities for ICTs to Support the Employment Needs of Underserved Populations. **University of Michigan's Institute for Research on Labor, Employment, and the Economy (IRLEE)**. Ann Arbor, MI. June 30, 2016.

[UM-T.4] Understanding Massive Open Online Courses (MOOCS) as a Pathway to Employment for Low-Income Populations. **Student Learning and Analytics at Michigan (SLAM)**, Ann Arbor, MI. November 21, 2014.

[UM-T.3] Fostering Social Capital in Economically Distressed Communities. **University of Michigan Ford School**: Diversity Center's Community Conversations.
Ann Arbor, MI. October 22, 2014.

[UM-T.2] Leveraging Information and Communication Technologies (ICTs) to Improve Social Mobility among Vulnerable Populations in the U.S. **UMSI Advisory Board**. Ann Arbor, MI. May 28, 2014.

[UM-T.1] Low-Income Populations and the Potential Effect of MOOCs on Economic Mobility. **Learning and Ed Technology at the School of Information (LETSI)**. Ann Arbor, MI. April 3, 2014.

Funding

Community-Driven Anticipation of AI Impacts.
Google Award for Inclusion Research (AIR), 2023-current ($60,000 Co-PI)

MLK Scholar's Program 2023-2024
MIT, 2023-current ($180,345 Fellowship recipient)

Community Tech Workers: Advancing a Sustainable Vision for Small Business Tech Support in Detroit
Office of the Vice President of Research BOOST, 2023-current ($75,000 Co-PI)

Speculating Community Resilience and Safety through Intergenerationally Co-Designing Children's Books in Eastside Detroit
Detroit Urban Research Center, 2023-current ($5,000 as mentor to Ph.D. co-advisee Alex Lu)

REU Supplement: SCC-IRG Track 2: The "Community Tech Workers": A Community-Driven Model to Support Economic Mobility and Bridge the Digital Divide in the U.S.
National Science Foundation, 2023-current ($16,000 PI)

SCC-IRG Track 2: The "Community Tech Workers": A Community-Driven Model to Support Economic Mobility and Bridge the Digital Divide in the U.S.
National Science Foundation, 2022 - current ($1,419,769 PI).

EAGER SAI: Community-Informed Surveillance Infrastructure for Public Safety and Equity
National Science Foundation, 2021 - current ($299,779 PI as mentor to Ph.D. co-advisee Alex Lu)

Building Detroit's Digital Infrastructure for Small Businesses - Supplemental Funding
Ewing Marion Kauffman Foundation, 2021-current ($131,283 co-PI)

Building Detroit's Digital Infrastructure for Small Businesses
Ewing Marion Kauffman Foundation, 2021-current ($300,000 co-PI)

Community-Engaged Research: Supporting Under-resourced Small Business Owners in Building Local Assets to Meet Digital Needs
Ewing Marion Kauffman Foundation, 2021 - current ($300,000 Co-PI)

SCC-IRG Track 1: Food Information Networks (FINs): Building data-driven supports for increasing access and healthy food choices in low-income neighborhoods
Department of Agriculture, 2020 - current ($455,000 Subgrant with Notre Dame; UM PI)

CHS: Small: Collaborative Research: Shared Mobility Systems to Address Transportation Barriers of Underserved Urban and Rural Communities.
National Science Foundation, 2020-current ($288,231 Co-PI)

CHS: Medium: Collaborative Research: Regional Experiments for the Future of Work in America.
National Science Foundation, 2019-current ($610,000 Co-PI)

Voices of Parkside: Disseminating Findings of Videovoice on Safety and Surveillance in a Public Housing Community
Michigan Institute for Clinical and Health Research (MICHR) Promoting Academics and Community Engagement (PACE), 2023-2024 ($5,000 PI as mentor to Ph.D. co-advisee Alex Lu)

Shared Mobility Systems to Address Transportation Barriers of Underserved Urban Communities
UM Ginsberg Center, 2020-2024 ($3,750)

Operationalizing Videovoice to Capture and Communicate Lived Experiences of Safety and Surveillance among Eastside Detroiters
Detroit Urban Research Center, 2022-2023 ($5,000 PI as mentor to Ph.D. co-advisee Alex Lu. All funds to community partner)

Harvard Radcliffe Fellowship
Harvard Radcliffe Institute, 2022-2023, ($78,000 Fellowship recipient)

Computing Innovation Fellow 2021
Computing Research Association / National Science Foundationm 2022-2023 ($253,900 Postdoc Mentor)

Surveillance Tech and the Racial Divide: Using Videovoice to capture Black Experiences of Policing among Eastside Detroiters
Office of the Vice President of Research Anti-Racism, 2021-2023 ($49,990 PI as mentor to Ph.D. co-advisee Alex Lu)

Building Social Capital in Low-Income Communities of Color: A Longituidinal Randomized Experiment
Family Independence Initiative, 2021-2023 ($88,099 Co-PI)

Elizabeth Caroline Crosby funding for Professional Development *UM ADVANCE and UMSI, 2021-2023 ($15,600 PI)*

"Time dollars as alternative currency to address transportation scarcity within Detroit's low-income communities"
UM Poverty Solutions Research on Strategies to Prevent and Alleviate Poverty, 2020-2023 ($20,000 Co-PI)

Large Center Planning Grant
Office of the Vice President of Research, 2022 ($100,000 co-PI)

Research Catalyst and Innovation Program Anti-Racism Grants: Surveillance Tech and the Racial Divide: Using Videovoice to Capture Black Experiences of Policing among Eastside Detroiters
University of Michigan's Office of Research, 2021 -2022 ($49,900 PI)

The 'Community Tech Workers': A Community-Driven Model to Support Economic Mobility by Bridging the Digital Divide
Community-Academic Research Partnerships Grant Program, Research on Strategies to Prevent and Alleviate Poverty in Michigan, 2021-2022 ($30,000 PI).

REU Supplement: CHS: Small: Collaborative Research: Shared Mobility Systems to Address Transportation Barriers of Underserved Urban and Rural Communities. *National Science Foundation, 2020-2022 ($8,000 Co-PI)*

REU Supplement: CHS: Small: Designing Next Generation Digital Employment and Recruitment Intervention Tools: Identifying Technical Features to Support Underserved Job Seekers in the U.S.
National Science Foundation #IIS-1717186, 2018-2022 ($16,000 PI)

CHS: Small: Designing Next Generation Digital Employment and Recruitment Intervention Tools: Identifying Technical Features to Support Underserved Job Seekers in the U.S.
National Science Foundation #IIS-1717186, 2017-2022 ($499,729 PI)

RAPID COVID-19: Sociotechnical Systems and Complexity Reduction: Enhancing Access to Digital Essential Services for Low-Income Communities during a Public Health Crisis.
National Science Foundation, 2020-2021 ($199,931 Co-PI)

Stories of Speculative Futures: Reaching Equitable Digital Economies among Marginalized Communities
Google unrestricted gift from the Ethical AI Research Team, 2020 ($15,000 PI)

Fostering Sustainable Community-based Entrepreneurship via the Detroit Neighborhood Tours Collective
UM Ginsberg Center 2019 ($5,000 Co-PI)

Mobility Systems for the Conner and Chalmers Neighborhoods
UM Poverty Solutions, 2018-2019 ($41,442 PI)

Supporting Economic Mobility through Community Mentorship

UM Poverty Solutions, 2018-2019 ($30,000 PI as mentor to Ph.D. advisee Earnest Wheeler, all funds to community partner)

EAGER: Identifying Technical and Non-technical Feature Requirements to Generate Income-Earning Opportunities for Inexperienced Entrepreneurs, Workshop Supplement
National Science Foundation, 2017-2019 ($4,905 PI)

EAGER: Identifying Technical and Non-technical Feature Requirements to Generate Income-Earning Opportunities for Inexperienced Entrepreneurs
National Science Foundation #IIS-1665049, 2017-2019 ($154,925 PI)

Reinventing Public Urban Transportation and Mobility
UM Michigan Institute for Data Science (MIDAS), 2016-2019 ($1,369,942 Co-PI)

Improving Employability via Physical Crowdsourced Tasks
UM Poverty Solutions, 2016-2018 ($22,941)(PI)

EAGER: Integrated Vehicle-and-Service-Sharing Systems (V3S): Towards Barrier-free Design and Operations for Engaging the Underserved Communities
National Science Foundation #CMMI 1636876, 2016-2018 ($149,390 Co-PI)

REU Supplement: EAGER: Identifying Barriers and Opportunities for Building SocioTechnical Capital
National Science Foundation IIS-1352915, 2015 ($16,000 PI)

Exploring Downward Mobility among Middle-Income African Americans: Interpretations of Social Mobility and the Impact of Information and Communication
UM Ford School, 2014-2015 ($10,000 PI)

EAGER: Identifying Barriers and Opportunities for Building SocioTechnical Capital
National Science Foundation IIS-1352915, 2013 - 2015 ($149,942 PI)

Understanding Massively Open Online Courses (MOOCs) as a Pathway to Employment for Low-Income Populations
Athabasca/Gates Foundation, 2013 - 2014 ($20,344 PI)

Teaching

Courses Taught

University of Michigan, SI 699: Mastery User Experience (UX) Research and Design, Fall 2018, Fall 2017, Winter 2021, Fall 2021, Winter 2022

University of Michigan, SI 710: Research Methods for Special Populations, Winter 2017, Winter 2020, Winter 2021

University of Michigan, SI 582: Introduction to Interaction Design, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020

University of Michigan, SI 612: Pervasive Interaction Design, Winter 2015; Fall 2015, Fall 2016

Carnegie Mellon University, Android mobile application development, Fall 2010

Teaching Assistant

Carnegie Mellon University, Designing Human-Centered Systems, Spring 2010 (TA)
Carnegie Mellon University, Environmental Hackfest, Spring 2010 (TA)

Guest Lectures

MIT, Department of Urban Studies and Planning, Indigenous Water and Energy Planning: Emergent Futures in Scaling Traditional Ecological Knowledge, 11.S188 / 11.S953 Global Climate Policy and Sustainability, "Participatory Speculative Design Insights", Instructors: Prof Janelle Knox-Hayes, Jean Luc Pierite, Jacqueline Paul, Fall 2023

MIT Participatory Action Research (PAR), 11.236, "Every Photo Has a Story: An Eastside Story on Safety from Behind the Lens and Organizing Community-based Events in Participatory Action Research: Lessons Learned from a Photovoice Exhibition, Instructor: Prof Katrin Kaeufer, Fall 2023

Harvard Radcliffe Institute's Radcliffe Fellows, Getting the Best Radcliffe Research Partner Experience, October 26th, 2023

FASPE Design and Technology co-faculty advisor, Summer 2023

Princeton Social Computing, Instructor: Prof. Andrès Monroy-Hernández, Fall 2021

Purdue Interdisciplinary Reading Group, Summer 2020

Notre Dame, CSE 40424 Introduction to HCI, Instructor: Ron Metoyer, Winter 2019

UMSI, SI-512 Citizen Interaction Design, Instructor: Cliff Lampe, Winter 2015

UMSI, SI-860 Graduate Experimental Method, Instructor: Tanya Rosenblat, Fall 2014

UMSI, SI-860 Graduate Experimental Methods, Instructor: Yan Chen, Winter 2013

ADVISING

Ph.D.

University of Michigan at Ann Arbor

Sole Advisor:
Aarti Israni (School of Information Candidate, sole advisor from Fall 2020 - present)

Chiao-Yin Hsiao (School of Information Candidate, successfully defended, Fall 2021)

Co-Advisor:
Denny Starks (School of Information, degree expected 2027)

Soyoung Lee (School of Information, degree expected 2027)

Jared Katzman (School of Information, degree expected 2025)

Alex Lu (School of Information, degree expected 2024)

Aarti Israni (School of Information, degree expected 2024, co-advised until Fall 2020)

Dissertation Committee Member:

University of Michigan
Jonathan Riley (School of Information, degree expected 2025)

Sylvia Darling (School of Information, degree expected 2024)

Edward Platt (School of Information, successfully defended, Winter 2022, currently a freelance consultant)

Ihudiya Finda Williams (School of Information, successfully defended, Winter 2022, currently an Assistant Professor at Virginia Polytechnic Institute and State University)

Yixin Zou (School of Information, successfully defended, Winter 2022, currently a tenure-track faculty member at the Max Planck Institute for Security and Privacy in Bochum, Germany)

Jean Hardy (School of Information Candidate, successfully defended, Winter 2020, currently an Assistant Professor of Media & Information at Michigan State University)

Lindsey Cameron (Ross School of Business Candidate, successfully defended, Fall 2019, currently an Assistant Professor of Management the Wharton School, University of Pennsylvania)

Chuan-Che Huang (School of Information Candidate, successfully defended, Fall 2019, currently a Principal Software Engineer & Team Lead at Bose Corporation)

Priyank Chandra (School of Information Candidate, successfully defended Winter 2019, currently an Assistant Professor at the Faculty of Information, University of Toronto)

Youyang Hou (School of Information, successfully defended Winter 2018, currently a User Researcher at Notion)

KyungMin (Jason) Lee (Electrical Engineering and Computer Science, successfully defended Winter 2017, currently a Software Engineering Manager at Facebook)

Notre Dame
Oghenemaro Anuyah (Department of Computer Science and Engineering, degree expected 2024)

Carnegie Mellon
Yasmine Kotturi (Human-Computer Interaction Institute, successfully defended Spring 2023, currently a Postdoctoral Researcher at Carnegie Mellon's Human-Computer Interaction Institute)

Lynn Kirabo (Human-Computer Interaction Institute, successfully defended Spring 2023, currently the Maria M. Klawe Assistant Professor of Climate and Computer Science in the Hixon Center for Climate and the Environment at Harvey Mudd College)

DePaul
Jessa Dickinson (College of Computing and Digital Media, successfully defended in Spring 2022, currently an independent researcher)

Northwestern
Angela D.R. Smith (Technology & Social Behavior, successfully defended Fall 2021, Assistant Professor of Information, University of Texas Austin)

University of Pittsburgh
Di Lu (School of Information Candidate, successfully defended Winter 2019, currently a Staff UX researcher working at Meta)

Presidential Postdoctoral Fellows Program

Matthew Bui (co-mentored with Prof Nicole Ellison), Fall 2021 - Fall 2022 (currently an Assistant Professor of Information at UM)

Postdocs

Shruti Sannon (CRA CI Fellow, Winter 2022-Fall 2023, currently the Technology Policy Director at the ACLU of Washington)
Julie Hui, Fall 2018 - Fall 2019 (currently an Assistant Professor at UMSI)

Master's Thesis

Darrell Williams (MSI), "Information Seeking Behavior Among Black Adults in Detroit regarding COVID-19" April 2022 (committee member)

Jiyoon Kim (MSI), "Understand whether there are differences in how American and Korean students spend their time on digital devices" April 2021 (committee member)

Alex Lu (MSI), Thesis title: “Design Practices and Guidelines for Empowerment.” August 2019 (Advisor and current co-)

Master’s Research

Mila Filipof (MSI) Fall 2023 - present
Srishti Bijjur (MSI), Fall 2023 - present
Nolen Scruggs (Master of City Planning, MCP MIT) Fall 2023
Soyoung Lee (MSI), Summer 2021 - Spring 2022 (current Ph.D. co-advisee)
Pratik Mangtani (MSI), Fall 2021 - Winter 2022
Anshika Saxena (MSI), Fall 2021
Li (Alice) Wang (MSI), late Winter 2021
Neng Pang (MSI), Summer 2020
Matthew Garvin (MSI), Fall 2020 - Winter 2021
Shivika Bisen (Data Science), Winter 2020 - Fall 2020
Kaushal Solanki (MSI), Fall 2019 – Winter 2020
Ruchita Lodha (MSI), Fall 2019 – Winter 2020
Alexis Ashby (MSI), Summer 2019 – Fall 2019
Denny Starks (MSI), Winter 2019 (current Ph.D. co-advisee)
Jacob Berman (MSI), Fall 2017 - Winter 2019
Saebom (April) Kwon (MSI), Fall 2017 – Winter 2019
Alex Lu (MSI), Fall 2017 - Winter 2019 (current Ph.D. co-advisee)
Sylvia Simioni (REMS student from the University of Washington), Summer 2018, currently serving on her Ph.D. committee
Jason Lam (MSI), Fall 2017 - Summer 2018
Marcy Held (MSI), Fall 2017 - Winter 2018
Colin Chen (MSI), Winter 2017
Raden Tonev (MSI), Fall 2016 - Fall 2017
Vaishnav Kameswaran (MSI), Fall 2014 - Fall 2016
Jessica Salvador (REMs student from the University of Washington), Summer 2016
Nishan Bose (MSI), Winter 2015 - Winter 2016
Samarth Gulati (MSI), Winter 2015
Jashanjit Kaur (MSI), Winter 2014 - Winter 2015
Zengguang Wang (UM Economics), Winter 2014
Michelle Fiesta (MSI), Fall 2013 - Winter 2014
Jonathan De Heus (MSI), Fall 2013 - Winter 2014
Bingxin Chen (UM Economics), Fall 2013
Sonali Mishra (MSI), Summer 2013

Undergraduate Research

Bridgit Jung (BSI) Summer 2022 - present
Cameron Moy (BSI & Information Analytics), Spring/Summer 2022 - present
Tiffany Agkpo (Harvard Radcliffe Research Partner (RRP)) Fall 2022 - Fall 2023
Shyanne Gardner (Harvard RRP) Fall 2022 - Spring 2023
Eleanor Wikstrom (Harvard RRP) Fall 2022 - Spring 2023
Mila Filipof (BSI) Summer 2022 - Winter 2023
Julia Couch (BSI), Winter 2022

Amelia Duffy (BSI), Fall 2021 - Fall 2022
Cindy Zhao (IOE), Fall 2021 - Winter 2022
Ameilia Duffy (BSI), Fall 2021 - Winter 2022
James Lisowski (BSI), Summer 2021
Sadhana Ramaseshadri (REU), Winter 2021
Anna Gilhool (REU), Summer 2020 - Winter 2021
Muhan Zhao (CS), Winter 2020-2021
Mingzhi Cai (EE), Winter 2020 - 2021
Darren Allen (BSI), Winter 2020
Claire Zuo, Winter 2020
Yongwei Yuan (UM Computer Science), Summer 2019 – Winter 2020
Xuecong (Esme) Xu (UM Psychology), Fall 2018 – Winter 2019
Jason Brill (UM CS/Design), Summer 2017 - Winter 2018
Mingda Tang (UROP), Fall 2016 - Winter 2017
Yingwen (Eva) Li (UROP), Winter 2015 - Fall 2017
Brittney Atkinson-McFarlane (NSF REU from Cornell University), Summer 2016
David Cui (UM Business/CS), Fall 2015 - Winter 2016
Asha Chen-Phang (NSF REU student from Northeastern University), Summer 2015
Akintunde (Akin) Oladele (NSF REU), Summer 2015
Indulekha Ghandikota (UROP), Fall 2014 - Winter 2015
Hailey Patterson (UROP), Fall 2014 - Winter 2015
Amy Malone (NSF REU student from the University of Maryland), Summer 2014
Benjamin Jen (UROP), Fall 2013
Ameera Ayodeji (NSF REU student from Bowie State University), Summer 2013
Thaddeus Brown (NSF REU student from Bowie State University), Summer 2013
Sandy Ng (UM Biology), Summer 2013

High School

Malavika Krishnamachari (Visiting Research Assistant), Summer 2019
Emory Kimball (UM Summer Youth Employee Program), Summer 2018
David Cui, Summer 2015

PROFESSIONAL ACTIVITIES/SERVICE

University of Michigan School of Information

Tenure Review Committees (Chair, AY 2024-25; Member, AY 2024-25, 2021-22)
Third-Year Review Committee (Member, AY 2020-2021)
Diversity Equity and Inclusion (DEI) Faculty co-chair and committee member, 2020-2022
Academic Program Council, 2020-2021
Faculty Allies for Diversity, 2020-2021
Dean's Advisory Committee Member (Elected), 2015-2016; 2020-2021
Faculty Search Committee, 2014-2015, 2017, Fall 2018; Fall 2019
Doctoral Committee, 2014-2016; 2019
Michigan Interactive and Social Computing (MISC), Faculty Coordinator, 2013-2014

University of Michigan	Academic Innovation Advisory Committee (2019-2020; 2020-2021) Future Communities Advisory Group, 2021 (Charge from Rebecca Cunningham, Vice President of Research) Ad-hoc President's Postdoctoral Fellowship Program Reviewer, 2020 MCity Visioning Committee, 2021 Digital Inclusion Policy Fellow Mentor, University of Michigan Poverty Solutions, mentor to Joshua Edmonds (2018-2020)
Professional	NSF Review Panelist 2013, 2017, 2019, 2022 ad hoc reviewer 2021
Journal and Conference Reviewing	ACM TOCHI Transactions on Computer-Human Interaction (TOCHI) Associate Editor, 2020 – present ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), 2013-2020, 2023 ACM Conference on Human Factors in Computing Systems (CHI), 2008-2018, 2023 ACM TOCHI 2016, 2017, 2019, 2020 ACM Designing Interactive Systems (DIS), 2014-2019 International Conference on Human-Computer Interaction (INTERACT) 2017 IEEE Pervasive Computing, 2009, 2010, 2013, 2017 International Journal of Hospitality Management, 2016 ACM Conference on Pervasive and Ubiquitous Computing (Ubicomp), 2014-2016 ACM MobileHCI, 2014 Oxford University Press Community Development Journal, 2013 ACM User Interface Software and Technology (UIST), 2013 IEEE Information and Visualization (InfoVis), 2009
Program Committees	ACM CHI Awards Co-Chair 2021 ACM Human Factors in Computing Systems (CHI), Subcommittee Chair (SC), 2019, 2020 ACM Designing Interactive Systems (DIS), Associate Chair, 2017-2019 Human Computer Interaction Consortium (HCIC) 2019 iConference Dissertation Award Committee, 2019 ACM CHI, Associate Chair, 2015, 2016, 2018 ACM CSCW Panels Chair 2018 ACM Conference on Supporting Group Work (GROUP), Associate Chair, 2016 ACM ICT for Sustainability (ICT4S), Associate Chair, 2015, 2016 Florida Artificial Intelligence Research Society (FLAIRS), Associate Chair, 2011
Carnegie Mellon University (CMU)	CMU's "A Celebration of Diversity in Science, Technology, Engineering, and Math (STEM)" panelist, 2012 CMU's Fusion Forum Panelist for undergraduates. Program for underrepresented minorities interested in graduate school, 2007-2010 Housing Authority of the City of Pittsburgh Clean Slate Panelist, 2009 with Fantasia Barrino

Volunteer for Fostering Academic and Social Achievement (F.A.S.A.) Summer Media Technology Project, 2009

Student Volunteer — ACM Human Factors in Computing Systems (CHI), 2008, 2011

Other Service

GivingCredit, Advisor, 9/2023 - present
DiverseNote Mobility Board Member, 5/2021 - 5/2022
Advisory Board Member, Georgia Tech project funded by the National Science Foundation Ethical and Responsible Research (ER2) program (award number 2124745), "Broadening Participation in Computing Ethics Curriculum Development," 10/2021 - 6/2022
Our House Advisory Board Member 2019 - 2022
Our House Mentor (a program to support youth who are aging out of the foster care system), 2014 – 2022
Community Forge BLOOM Pitch Competition Judge (virtual pitch competition), Wilkinsburg, PA, June 5 2021
Michigan Works! Job Seeker Services Committee, 2019

Patents

United States Patent: US 9,395,198 & US 9,395,199
Title: Dynamic Routing Via Intelligent Mapping System
Inventors: **Tawanna Dillahunt**, Peter Malkin
Assignee: IBM Research
Publication date July 19, 2016

United States Patent: US 8,688,090
Title: Data Session Preferences (Adaptive Mobile Messaging)
Inventors: **Tawanna Dillahunt**, Jason B. Ellis, Robert G. Farrell
Assignee: IBM Research
Publication date April 1, 2014

United States Patent: US 9,159,088
Title: Generating a Location-Aware Preference and Restriction-Based Customized Menu
Inventors: **Tawanna Dillahunt**, Peter Malkin, Mark N. Wegman
Assignee: IBM Research
Publication date December 3, 2013