ALEX JIAHONG LU

University of Michigan School of Information
105 S. State Street, Ann Arbor, MI 48109
alexjlu@umich.edu | alexlu.me

RESEARCH AREAS	Computer-supported cooperative work (CSCW); science and technology studies (STS); human-computer interaction (HCI); surveillance and resistance; work and labor; poverty and inequality; community-based participatory research (CBPR)

EDUCATION

PhD Candidate in Information Science — Ann Arbor, MI, USA
University of Michigan, School of Information — 5/2024 (expt.)
Dissertation Committee: Tawanna Dillahunt (Co-chair), Mark Ackerman (Co-chair), John Cheney-Lippold, Roderic Crooks (UC Irvine)

Master of Science in Information (MS) — Ann Arbor, MI, USA
University of Michigan, School of Information — 2019

Master of Social Work (MSW) — Ann Arbor, MI, USA
University of Michigan, School of Social Work — 2019
Subconcentration: Social Policy and Evaluation

Bachelor of Information Engineering and Media (BE) — Singapore
Nanyang Technological University — 2016
First-Class Honors

PUBLICATIONS

Journal Articles (Peer-Reviewed)

J.6 Chen, Y., **Lu, A.J.**, Wu, A.X. (2023) 'China' as a 'Black Box'? Re-thinking Methods through a sociotechnical perspective. In *Information, Communication & Society*.

J.5 **Lu, A.J.**, Gilhool, A., Hsiao, J. C.-Y., Dillahunt, T.R.(2022). 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 on Human-Computer Interaction*, Vol.6, No. CSCW2, Article 388. (CSCW 2022)

J.4 **Lu, A.J.**, Dillahunt, T.R., Marcu, G., Ackerman, M.S. (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 on Human-Computer Interaction*, Vol.5, No. CSCW2, Article 452. (CSCW 2021)

J.3 **Lu, A.J.**, Xu, X. (2020). "Learning for the rise of China": Exploring uses and gratifications of state-owned online platform. In *Proceedings of the ACM on Human-Computer Interaction*, Vol.4, No. CSCW1, Article 30. (CSCW 2020)

J.2 Lee, J.Y., Lee, S.Y., Grogan-Kaylor, A., Ammari, T., **Lu, A.**, Davis-Kean, P. (2020). A qualitative analysis of stay-at-home parents' spanking Tweets. In *Journal of Child and Family Studies*.

J.1 Perron B.E., Victor, B.G., Bushman G., Moore, A., Ryan, J., **Lu, A.J.**, Piellusch, E. (2019). Detecting substance-related problems in narrative inves-

tigation summaries of child abuse and neglect using text mining and machine learning. In *Child Abuse and Neglect.*

Conference Proceedings (Peer-Reviewed)*

C.11 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 Designing Interactive Systems*. ACM, New York, NY, USA. (DIS 2023)

C.10 **Lu, A.J.**, Sannon, S., Moy, C., Brewer, S., Green, J., Jackson, K.N., Reeder, D., Wafer, C., Ackerman, M.S., Dillahunt, T.R. (2023). Participatory noticing: Engaging arts- and community-based approaches in design research. In *Proceedings of Designing Interactive Systems*. ACM, New York, NY, USA. (DIS 2023) **[Best Paper Award]**

C.9 **Lu, A.J.**, Sannon, S., Moy, C., Brewer, S., Green, J., Jackson, K.N., Reeder, D., Wafer, C., Ackerman, M.S., Dillahunt, T.R. (2023). Shifting from surveillance-as-safety to safety-through-noticing: A photovoice study with Eastside Detroit residents. In *Proceedings of ACM Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA. (CHI 2023)

C.8 Ankenbauer, S.A., **Lu, A.J.** (2022). Making space for cultural infrastructure: The breakdown and maintenance work of independent movie theaters during crisis. In *Proceedings of ACM Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA. (CHI 2022)

C.7 Dillahunt, T.R., **Lu, A.J.**, Israni, A., Lodha, R., Brewer, S., Robinson, T.S., Wilson, A.B., Wheeler, E. (2022). The village: Infrastructuring community-based mentoring to support adults experiencing poverty. In *Proceedings of ACM Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA. (CHI 2022) **[Best Paper Honorable Mention]**

C.6 Cherubini, M., **Lu, A.J.**, Hsiao, J.C.-Y., Zhao, M., Aggarwal, A., Dillahunt, T.R. (2021). Elucidating skills for job seekers: Insights and critical concerns from a field deployment in Switzerland. In *Proceedings of Designing Interactive Systems*. ACM, New York, NY, USA. (DIS 2021)

C.5 **Lu, A.J.**, Marcu, G., Ackerman, M.S., 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 Designing Interactive Systems*. ACM, New York, NY, USA. (DIS 2021) **[Best Paper Honorable Mention]**

C.4 **Lu, A.J.**, Dillahunt, T.R. (2021). Uncovering the promises and challenges of social media use in the low-wage labor market: Insights from employers. In *Proceedings of ACM Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA. (CHI 2021)

C.3 Dillahunt, T.R., **Lu, A.J.***, Israni, A.*, Cai, M., Hsiao, J.C.-Y. (2021). Examining the Internet and social media use for employment: A survey of U.S. job seekers. In *Proceedings of ACM Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA. (CHI 2021) [*Contributed equally]

C.2 Dillahunt, T.R., **Lu, A.** (2019). DreamGigs: Designing a tool to empower low-resource job seekers. In *Proceedings of ACM Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA. (CHI 2019)

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*In information and computer sciences, conference articles are highly refereed and are considered archival (journal-equivalent) publications.

C.1 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 Designing Interactive Systems*. ACM, New York, NY, USA. (DIS 2018). **[Best Paper Honorable Mention]**

Case Studies, Articles, and Extended Abstracts (Peer-Reviewed)

EA.6 **Lu, A.J.**., Sannon, S., Brewer, S., Jackson, K.N., Green, M.J., Reeder, D., Wafer, C., Dillahunt, T.R. (2023). Organizing community-based events in participatory action research: Lessons learned from a Photovoice exhibition. In *Companion of the 2023 ACM Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA. (CHI 2023 Case Study)

EA.5 **Lu, A.J.**. (2022). Toward everyday negotiation and resistance under data-driven surveillance. In *Interactions*, Vol.29, Issue 2.

EA.4 Pine, K.H., Bossen, C., Møller, N.H., Miceli, M., **Lu, A.J.**, Chen, Y., Horgan, L., Su, Z., Neff, G., Mazmanian, M. (2022, April). Investigating Data Work Across Domains: New Perspectives on the Work of Creating Data. In *Companion of the 2022 ACM Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA. (CHI 2022)

EA.3 Ankenbauer, S.A., **Lu, A.J.** (2021). Navigating the "glimmer of hope": Challenges and resilience among U.S. older adults in seeking COVID-19 vaccination. In *Companion of the 2021 ACM Conference on Computer Supported Cooperative Work and Social Computing*. ACM, New York, NY, USA. (CSCW 2021)

EA.2 Ankenbauer, S.A., **Lu, A.J.** (2020). Engaging offline communities online: A case study of independent theaters amid Covid-19. In *Companion of the 2020 ACM Conference on Computer Supported Cooperative Work and Social Computing*. ACM, New York, NY, USA. (CSCW 2020)

EA.1 **Lu, A.**, Brill, J., Dillahunt, T.R. (2018). DreamGigs: A "stepping stone" for low-resource job seekers to reach their ideal job. In *Companion of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing*. ACM, New York, NY, USA. (CSCW 2018)

Conference Abstracts and Workshop Position Papers (Lightly Reviewed)

A.13 **Lu, A.J.** (2023). 'Better than Nothing': Detroit residents' contested perceptions and imaginaries of ubiquitous surveillance technologies. In *Society for Social Studies of Science Annual Meeting — Sea, Sky, and Land: Engaging in Solidarity in Endangered Ecologies*. Honolulu, HI. (4S 2023)

A.12 **Lu, A.J.** (2023). Toward the relationality and ethics of producing alternative research outcomes and knowledge dissemination. In Workshop *Beyond Academic Publication: Alternative Outcomes of HCI Research*. ACM Designing Interactive Systems. Pittsburgh, PA. (DIS 2023)

A.11 **Lu, A.J.** (2022). From Fordist labor control to policing surveillance: Surveillance as racial infrastructure in modern Detroit. In *Society for Social Studies of Science Annual Meeting — Reunion, Recuperation, Reconfiguration: Knowledges and Technosciences for living together*. Cholula, Mexico. (4S 2022)

A.10 **Lu, A.J.** (2022). From wearing disguise to wearing masquerade: Reconceptualizing everyday resistance to control and surveillance. In *Society for Social Studies of Science Annual Meeting — Reunion, Recuperation, Reconfiguration: Knowledges and Technosciences for living together*. Cholula, Mexico. (4S 2022)

A.9 Dillahunt, T.R., **Lu, A.J.**, Couch, J. (2022). Negotiating the boundaries of futures through speculative design. In *Society for Social Studies of Science Annual Meeting — Reunion, Recuperation, Reconfiguration: Knowledges and Technosciences for living together*. Cholula, Mexico. (4S 2022)

A.8 **Lu, A.J.**, Chen, Y. (2022). Conceptualizing performative ideology labor in navigating dataist political communication surveillance in China. In *University of Washington Graduate Conference: Media, Power, Technological Determinism*. Seattle, WA.

A.7 **Lu, A.J.**, Chen, Y. (2021). Conformity and obfuscation: Infrapolitical impression management under data-driven state surveillance. In *Society for Social Studies of Science Annual Meeting — Good Relations: Practices and Methods in Unequal and Uncertain Worlds*. Toronto and World-wide. (4S 2021)

A.6 Chen, Y., **Lu, A.J.**, Riley, Jonathon (2021). A dystopian China imagined: Rhetorics and practices in the resistance of surveillance technologies in the U.S. In *Society for Social Studies of Science Annual Meeting — Good Relations: Practices and Methods in Unequal and Uncertain Worlds*. Toronto and World-wide. (4S 2021)

A.5 Ankenbauer, S.A., **Lu, A.J.** (2021). Maintenance work of the independent movie theater during Covid-19. In *Society for Social Studies of Science Annual Meeting — Good Relations: Practices and Methods in Unequal and Uncertain Worlds*. Toronto and World-wide. (4S 2021)

A.4 **Lu, A.J.**, Chen, Y., Kim, Y. (2020). Science and rumor of virus: the politics of information legitimacy of coronavirus in China. In *Society for Social Studies of Science Annual Meeting — Locating and Timing Matters: Significance and Agency of STS in Emerging Worlds*. Prague, Czech Republic. (4S 2020)

A.3 Victor, B., Perron, B., Bushman, G., Moore, A., Ryan, J., **Lu, A.**, Piellusch, E (2020). Development and validation of text mining and machine learning models to maximize the research value of narrative summaries in administrative child welfare records. In *Society for Social Work and Research 24th Annual Conference — Reducing Racial and Economic Inequality*. Washington, DC, USA. (SSWR 2020)

A.2 **Lu, A.** & Lee, J.Y. (2019). Geocoding stay-at-home parents' self-defined locations. In *#UMTweetCon2019*. University of Michigan, Ann Arbor, MI.

A.1 Lee, J.Y. & **Lu, A.** (2018, January). "Spank, Smack, & Whoop": Stay-at-home parents' spanking Tweets. In *Social Justice in Social Work Research Symposium*. University of Michigan, Ann Arbor, MI. **[Doctoral Poster Award]**

Policy Briefs, Public-facing Articles and Zines

P.3 Baker, R., Blackmer, P., **Lu, A.**, Smith, R., Watkins, P.G. (2022). *Green Light Black Futures Community Safety Survey: Report and Booklet*. Urban Praxis Workshop.

P.2 Baker, R., Blackmer, P., **Lu, A.**, Smith, R. (2022). Building Black futures by knowing what keeps us safe: A report on the Green Light Black Futures community safety survey. In *Riverwise Detroit*.

P.1 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 Policy Briefs*

Thesis and Technical Reports

TR.2 **Lu, A.J.** (2019). Design practices and guidelines for empowerment. *Master's Thesis, School of Information, University of Michigan.*

TR.1 **Lu, A.J.** (2015). Socio-feedback: The context analysis. *Bachelor's Thesis, School of Information Engineering and Media, Nanyang Technological University, Singapore.*

PANELS AND TALKS

Workshops and Panels Organized

W.2 Chen, Y., Liu, C., Liu, C., **Lu, A.J.** (2022). Reconfiguring knowledge production of China in the "New Normal". Open panel in 4S 2022

W.1 Pine, K.H., Bossen, C., Møller, N.H., Miceli, M., **Lu, A.J.**, Chen, Y., Horgan, L., Su, Z., Neff, G., Mazmanian, M. (2022). Investigating data work across domains: New perspectives on the work of creating data. Workshop in CHI 2022

Invited Talks and Panels

T.6 Dillahunt, T.R. & **Lu, A.J.** (April, 2023). Reenvisioning Surveillance Infrastructure through Speculative Design and Photovoice. *BostonCHI*

T.5 **Lu, A.J.** (February, 2023). Shifting from surveillance-as-safety to safety-through-noticing: A photovoice study with Eastside Detroit residents. *STREET Lab, University of Toronto*

T.4 **Lu, A.J.** (October, 2022). Aligning Technology Design with Community Values and Strengths. In *Digital Inclusion Week. Connect 313.* Detroit, MI.

T.3 **Lu, A.J.** (November, 2021). Towards representing lived experiences and everyday negotiation with surveillance. *Digital Study Institute. University of Michigan.*

T.2 **Lu, A.J.** (April, 2019). #Parenting projects: Using Twitter to understand mothering and fathering. *Methods Hour, Department of Psychology, University of Michigan.*

T.1 **Lu, A.J.** (April, 2019). Designing employment tools with underserved communities. *Introduction to Information Science. Undergraduate Class. University of Michigan.*

GRANTS & FUNDING

Voices of Parkside: Disseminating Findings of Videovoice on Safety and Surveillance in Public Housing Community ($5,000) — 2023
University of Michigan 2023 Promoting Academic and Community Engagement (PACE) Dissemination Grant (PI)

Emancipating Community Futures: Co-Designing Children's Books Across Generations in Eastside Detroit ($5,000) — 2023-2024
University of Michigan 2023 Anti-Racism Graduate Research Grants (PI)

Speculating Community Resilience and Safety through Intergenerationally Co-Designing Children's Books in Eastside Detroit ($5,000) — 2023-2024
Detroit Community-Academic Urban Research Center (Grant Writer)

Operationalizing Videovoice to Capture and Communicate Lived Experiences of Safety and Surveillance among Eastside Detroiters ($5,000) — 2022-2023
Detroit Community-Academic Urban Research Center (Grant Writer)

	EAGER: SAI: Community-Informed Surveillance Infrastructure for Public Safety and Equity ($299,779) *National Science Foundation* BCS-2121723 (Grant Writer)	2021-2023
	Surveillance Tech and the Racial Divide: Using Videovoice to Capture Black Experiences of Policing among Eastside Detroiters ($49,990) *University of Michigan Office of Research, Research Catalyst and Innovation Program Anti-Racism Grant* (Grant Writer)	2021-2022
	UMSI Travel Grant ($385) *University of Michigan, School of Information*	2021
	Rackham International Student Fellowship ($10,000) *University of Michigan, Rackham Graduate School*	2020-2021
	UMSI Travel Grant ($300) *University of Michigan, School of Information*	2020
	Phi Kappa Phi Project Grant ($5,000) *Phi Kappa Phi Honor Society, University of Michigan Chapter*	2019
	UMSI Travel Grant ($1,000) *University of Michigan, School of Information*	2018
	Summer Internship Grant ($750) *University of Michigan, School of Information*	2018
	Tuition Grant *Singapore Ministry of Education*	2012-2016
AWARDS	Best Paper Award for [C.10], DIS 2023 *ACM Designing Interactive Systems*	2023
	Best Paper Honorable Mention Award for [C.7], CHI 2022 *ACM CHI Conference on Human Factors in Computing Systems*	2022
	Best Paper Honorable Mention Award for [C.5], DIS 2021 *ACM Designing Interactive Systems*	2021
	Pre-candidacy Project Milestone Distinction Award (Top 10%) *University of Michigan, School of Information*	2020
	Margaret Mann Award, which honors one or more Master's students who demonstrate exceptional academic ability and professional promise *University of Michigan, School of Information*	2019
	Dean's Mission Scholarship *University of Michigan, School of Social Work*	2018
	Best Paper Honorable Mention Award for [C.1], DIS 2018 *ACM Designing Interactive Systems*	2018
	Doctoral Poster Award *University of Michigan, School of Social Work*	2018
	President Research Scholar *Nanyang Technological University*	2013
	Full Scholarship for Undergraduate Studies *Nanyang Technological University*	2012-2016

RESEARCH EXPERIENCE	**Graduate Student Research Assistant**	Ann Arbor, MI, USA
	Social Innovations Group, University of Michigan	8/2017 - Ongoing
	PI: Tawanna Dillahunt	
	Graduate Student Research Assistant	Ann Arbor, MI, USA
	GabiLab, University of Michigan	1/2020 - 5/2020
	PI: Gabriela Marcu	
	Research Assistant	Ann Arbor, MI, USA
	Child and Adolescent Data Lab, University of Michigan	8/2017 - 5/2019
	PI: Brian E. Perron, Joseph Ryan	
	Research Assistant	Ann Arbor, MI, USA
	Parenting in Context Research Lab, University of Michigan	1/2018 - 5/2019
	PI: Shawna J. Lee, Joyce Y. Lee	

PROFESSIONAL EXPERIENCE	**UX Researcher Intern**	Menlo Park, CA, USA
	Meta	6/2022 - 9/2022
	Advisory Associate, Digital Solutions	Singapore
	Ernst & Young Advisory Pte. Ltd.	7/2016 - 7/2017
	Software Engineer Intern	Singapore
	Visa Inc.	5/2015 - 8/2015

TEACHING EXPERIENCE	**Graduate Student Instructor**	Winter 2021
	SI 582: Introduction to Interaction Design (24 students)	
	University of Michigan, School of Information	
	Primary instructor: Dr. Julie Hui	
	Graduate Student Instructor	Fall 2020
	SI 582: Introduction to Interaction Design (31 students)	
	University of Michigan, School of Information	
	Primary instructors: Dr. Vadim Besprozvany, Elena Godin	

SERVICES

Mentoring

Xuecong Xu*, M.S. in Human Centered Design & Eng., University of Washington
Anandita Aggarwal*, M.S. in Information Science, University of Michigan
Ruchita Lodha*, M.S. in Information Science, University of Michigan
Eleanor Wikstrom, B.A. Social Studies, Harvard University
Cameron Moy*, B.S. in Information Science, University of Michigan
Emilia O'Brien, B.S. in Information Science, University of Michigan
Julia Couch, B.S. in Information Science, University of Michigan
Anna Gilhool*, B.S. in Information Science, University of Michigan
Mingzhi Cai*, B.S. in Data Science, University of Michigan
Muhan Zhao*, B.S. in Computer Science, University of Michigan
Haonan Li, B.S. in Mathematics and Computer Science, University of Michigan

Peer Reviewing

ACM CHI: 2019, 2020, 2021, 2022, 2023 (Special Recognition for Outstanding

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*Co-authored publication(s)

Review 2022, 2023)
ACM CSCW: 2020, 2021, 2022 (Special Recognition for Outstanding Review 2020, 2022)
ACM DIS: 2019, 2021, 2022, 2023
ACM TOCHI: 2021
ECSCW: 2023

Groups and Activities

Phi Kappa Phi Honor Society, University of Michigan Chapter *Student Vice President*	2019 - 2020
Community Technical Assistance Collaborative (CTAC) University of Michigan, Edward Ginsberg Center *Student Coordinator*	2017 - 2019

COMMUNITY SERVICES

Web Designer Volunteer *Our House*	Ann Arbor, MI, USA 11/2017 - 07/2018
Child Welfare Service Volunteer *Maximo Nivel*	San Jose, Costa Rica 05/2016 - 07/2016
Child Education Volunteer *Nepal Orphans Home*	Ramecchap, Nepal 02/2016 - 05/2016
Community Service Volunteer *Beyond Social Services Club*	Singapore 08/2013 - 08/2015

SKILLS

Research Methods
Qualitative approaches (Interview, Ethnography, Contextual inquiry, Diary study, Focus group, Speed-dating study, Literature review)
UX Evaluation (A/B testing, Usability testing)
Community-based participatory approaches (Participatory design, Speculative design, Photovoice)

Language
Mandarin (Native)
German (Basic)
American Sign Language (Basic)

Qualitative Data Analysis
ATLAS.ti, NVivo, Taguette

Coding
Front-end Development (Ionic, Angular, JavaScript)
Back-end Development (Python)
Data Analysis (R)

Graphic Design & Data Visualization
Figma, Adobe XD/Photoshop/Illustrator/InDesign
Tableau, d3.js, R (ggplot2)
Sketching, Photographing

PROFESSIONAL MEMBERSHIPS
Member; ACM Special Interest Group on Computer-Human Interaction (SIGCHI)
Member; Society for Social Studies of Science (4S)

Last Updated: July, 2023