

David Mingfei Liu

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Education	Northeastern University (2020 - Present) Ph.D. Student, Computer Science Department and Network Science Institute Advisor: Professor Tina Eliassi-Rad Focus areas: Fairness in Machine Learning, Computational Social Science, and Computational Reproducibility. Princeton University (2018) B.S.E in Computer Science with Certificate in Statistics and Machine Learning Graduated <i>summa cum laude</i> Undergraduate Advisor: Professor Matthew J. Salganik
Publications	David Liu* , Priyanka Nanayakkara*, Sarah Sakha, Grace Abuhamad, Su Lin Blodgett, Nicholas Diakopoulos, Jessica Hullman, and Tina Eliassi-Rad. 2022. Examining Responsibility and Deliberation in AI Impact Statements and Ethics Reviews. In <i>Proceedings of the 2022 AAAI/ACM Conference on AI, Ethics, and Society (AIES '22)</i> . David Liu , Zohair Shafi, William Fleisher, Tina Eliassi-Rad, and Scott Alfeld. 2021. RAWLSNET: Altering Bayesian Networks to Encode Rawlsian Fair Equality of Opportunity. In <i>Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society (AIES '21)</i> . [pdf] David Liu and Matthew J. Salganik. Successes and struggles with computational reproducibility: Lessons from the fragile families challenge. <i>Socius</i> , 5:1–21, 2019. [pdf]
Non-Peer Reviewed Essays	David Liu and Sarah Sakha. Power: The exclusionary costs of large-scale computing. In <i>A New AI Lexicon</i> by The AI Now Institute. [link]
Posters	David Liu . Uncovering the Evolution of Mukbang Videos on Youtube. <i>The 7th International Conference on Computational Social Science (IC2S2)</i> , Virtual Conference, July 2021. David Liu . Uncovering the Evolution of Mukbang Videos on Youtube. <i>Networks 2021: A Joint Sunbelt and NetSci Conference</i> , Virtual Conference, July 2021.
Industry Experience	Facebook AI Research - AI Research Intern May 2022 - Present Supervisor: Maximilian Nickel Bloomberg LP - Software Engineer Jul 2018 - Sep 2020 The New York Times - Software Intern Jun 2017 - Aug 2017
Awards and Honors	2021 NSF Graduate Research Fellowship 2018 Sigma Xi Nomination

Activities	2021	Subtle CSCW Traits: Tensions around Identity Formation and Online Activism in the Asian Diaspora, workshop participant.
	2020	ML Reproducibility Challenge, participant.
Invited Talks	2021	MD4SG Working Group on Discrimination in Algorithmic Decision-making, Invited Speaker. Online.
	2019	RabbitMQ Summit, Keynote Speaker. <i>Growing a farm of rabbits to scale financial applications</i> . London, UK.
	2016	Fragile Families Challenge Scientific Workshop, Invited Speaker. Princeton, NJ.
Academic Service	AIES '22	Program Committee
	AIES '21	Student Volunteer
	NeurIPS '21	Student Volunteer