

Logan Stapleton

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Preferred Pronouns: they/them

EDUCATION

University of Minnesota, GroupLens, Minneapolis, MN Sept. 2019 - Present
PhD Student, Computer Science

Carnegie Mellon University, Pittsburgh, PA Sept. 2020 - Present
Visiting Student

Advised by Professors [Haiyi Zhu](#) and [Zhiwei Steven Wu](#)

Primary fields: Machine Learning, HCI, AI Ethics, Fairness, Online Mental Health, Public Algorithms

Macalester College, St. Paul, MN 2014 - 2018
B.A., Philosophy & Mathematics

ONGOING THESIS WORK

I am using Large Language Models (LLMs) to design a training environment to train volunteer counselors in an online mental health peer support community on how to respond to people seeking support for suicidal ideation and crisis.

PUBLICATIONS IN SUBMISSION

Exploring How Volunteers in an Online Peer Support Site Respond to Suicidality
Logan Stapleton, Sunniva Liu, Cindy Liu, Irene Hong, Stevie Chancellor, Robert E Kraut, Haiyi Zhu

Seeing Seeds Beyond Weeds: Green Teaming Generative AI for Beneficial Uses
Presented at *ICML 2023 Workshop on Challenges in Deployable Generative AI*
Logan Stapleton, Jordan Taylor, Sarah Fox, Tongshuang Wu, Haiyi Zhu

FIRST OR CO-FIRST AUTHOR PUBLICATIONS

Imagining new futures beyond predictive systems in child welfare: A qualitative study with impacted stakeholders
In Proceedings of the 2022 Conference on Fairness, Accountability, and Transparency (FAccT'22)
Logan Stapleton, Min Hun Lee, Diana Qing, Marya Wright, Alexandra Chouldechova, Kenneth Holstein, Zhiwei Steven Wu, Haiyi Zhu

How Child Welfare Workers Reduce Racial Disparities in Algorithmic Decisions
In Proceedings of the 2022 Conference on Human Factors in Computing Systems (CHI'22)
Hao-Fei Cheng*, Logan Stapleton*, Anna Kawakami, Venkatesh Sivaraman, Yanghui Cheng, Diana Qing, Adam Perer, Kenneth Holstein, Zhiwei Steven Wu, Haiyi Zhu (*equal contribution)

An Algorithmic Framework for Fairness Elicitation
In Proceedings of the 2021 Symposium on the Foundations of Responsible Computing (FORC'21)
Christopher Jung, Michael Kearns, Seth Neel, Aaron Roth, Logan Stapleton, Zhiwei Steven Wu
(alphabetical author order)

Incentivizing Compliance with Algorithmic Instruments

In *Proceedings of the 2021 International Conference on Machine Learning (ICML'21)*

Also appeared at NeurIPS'20 Workshops, ICML'20 Workshop, and MD4SG'20 Poster Session

Daniel Ngo*, Logan Stapleton*, Vasilis Syrgkanis, Zhiwei Steven Wu (*equal contribution)

MIDDLE AUTHOR PUBLICATIONS

Improving Human-AI Partnerships in Child Welfare: Understanding Worker Practices, Challenges, and Desires for Algorithmic Decision Support

In *Proceedings of the 2022 Conference on Human Factors in Computing Systems (CHI'22)*

Anna Kawakami, Venkatesh Sivaraman, Hao-Fei Cheng, Logan Stapleton, Yanghui Cheng, Diana Qing, Adam Perer, Zhiwei Steven Wu, Haiyi Zhu, Kenneth Holstein

“Why Do I Care What's Similar?” Probing Challenges in AI-Assisted Child Welfare Decision-Making through Worker-AI Interface Design Concepts

Accepted to *Designing Interactive Systems Conference (DIS'22)*

Anna Kawakami*, Venkat Sivaraman*, Logan Stapleton, Hao-Fei Cheng, Adam Perer, Steven Wu, Haiyi Zhu, Kenneth Holstein (*equal contribution)

Soliciting Stakeholders' Fairness Notions in Child Maltreatment Predictive Systems

In *Proceedings of the 2021 ACM Conference on Human Factors in Computing Systems (CHI'21)*

Hao-Fei Cheng, Logan Stapleton, Ruiqi Wang, Paige Bullock, Alexandra Chouldechova, Zhiwei Steven Wu, Haiyi Zhu

Strategic Instrumental Variable Regression: Recovering Causal Relationships From Strategic Responses

In *Proceedings of the 2022 International Conference on Machine Learning (ICML'22)*

arxiv.org/abs/2107.05762

Keegan Harris, Daniel Ngo*, Logan Stapleton*, Hoda Heidari, Zhiwei Steven Wu (*equal contribution)

WORKSHOPS ORGANIZED

Who Has an Interest in “Public Interest Technology”? Critical Questions for Working with Local Governments & Impacted Communities

At the *2022 Conference on Computer Supported Cooperative Work and Social Computing (CSCW'22)*

Logan Stapleton, Devansh Saxena, Anna Kawakami, Tonya Nguyen, Asbjørn Ammitzbøll Flügge, Motahhare Eslami, Naja Holten Møller, Min Kyung Lee, Shion Guha, Kenneth Holstein, Haiyi Zhu

SELECT TALKS & PRESENTATIONS

[Injustice in the Justice System: AI](#) — Justice Education Project and Encode Justice 2022

Imagining new futures beyond predictive systems in child welfare: A qualitative study with impacted stakeholders

Invited Speaker at University at Buffalo Computing for Social Good Series 2022

Conference on Fairness, Accountability, and Transparency (FAccT)	2022
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How Child Welfare Workers Reduce Racial Disparities in Algorithmic Decisions

Conference on Human Factors in Computing Systems (CHI)	2022
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An Algorithmic Framework for Fairness Elicitation

Simons Collaboration on the Theory of Algorithmic Fairness	2021
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Incentivizing Compliance with Algorithmic Instruments

Mechanism Design for Social Good (MD4SG) Workshop Poster Session	2020
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ICML Incentives in Machine Learning Workshop	2020
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NeurIPS Causal Discovery & Causality-Inspired Machine Learning Workshop	2020
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NeurIPS Machine Learning for Economic Policy	2020
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Autonomy, Paternalism, and Machine Learning

Computer Ethics - Philosophical Enquiry (CEPE) Conference	2019
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Humanities and Technology Association (HTA) Conference	2018
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American Philosophical Association Pacific Division (APA) Conference	2018
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Minnesota Philosophical Society (MPS) Conference	2017
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Animals, Machines, and Moral Responsibility in a Built Environment

Annual Southeast Conference of Applied Philosophy (ASCAP)	2018
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RECENT WORK EXPERIENCE

Instructor , Intro to Computing and Programming Concepts (Python) Computer Science Dept., University of Minnesota, Minneapolis, MN	Jan. 2022 - May 2022
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Graduate Teaching Assistant , Advanced Machine Learning Computer Science Dept., University of Minnesota, Minneapolis, MN	Aug. 2020 - Dec. 2020
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Ethics Consultant Internal Ethics Office Wells Fargo, Minneapolis, MN	May 2018 - Jan. 2019
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Undergraduate Teaching Assistant Environmental Ethics, Philosophy of Technology, Logic, Discrete Math, Abstract Algebra, & Analysis Philosophy & Mathematics Depts., Macalester College, St. Paul, MN	Jan. 2015 - May 2018
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GRANTS & AWARDS

University of Minnesota: GAANN Fellowship	2020 - 2022
University of Minnesota: 3M Fellowship	2019 - 2022
Macalester Philosophy Department: Henry R. West and Jakob Laub Best Paper Prizes	2017 & 2018
Macalester: DeWitt Wallace Distinguished Scholarship	2014 - 2018

PROFESSIONAL SERVICE

Associate Chair, ACM CHI 2024 Critical Computing Subcommittee	2023
Community Engagement co-organizer, Mechanism Design for Social Good (MD4SG)	2020 - 2022
Social co-chair, Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO'21)	2021
Social co-chair, Fourth Workshop on Mechanism Design for Social Good (MD4SG'20)	2020
Organizer, UMN Graduate Labor Union	2020 - Present
Union Representative for Computer Science, UMN Graduate Labor Union	2022 - Present

SKILLS

Qualitative Research, Python, Machine Learning