

Jane Castleman

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Education

2024-2026	Princeton University, MSE in Computer Science Adviser: Prof. Aleksandra Korolova Relevant Graduate Courses: Theoretical Machine Learning; Deep Dive into LLMs; AI, Society, & Education; CS, Law, & Policy; AI Safety & Alignment; Deep Learning Theory; Security & Privacy.	GPA: 4.0 / 4.0
2020-2024	Princeton University, BSE in Computer Science Advisers: Prof. Katrina Ligett & Prof. Aleksandra Korolova Minors in Statistics & Machine Learning, Technology Policy.	GPA: 3.9 / 4.0 Magna cum laude

Publications & talks

CONFERENCE PAPERS

2025	Castleman, Jane and Korolova, Aleksandra (2025), “Adultification Bias in LLMs and T2I Models,” ACM Conference on Fairness, Accountability, and Transparency (FAccT ’25). [Paper]
2024	Castleman, Jane and Korolova, Aleksandra (2024), “Why Am I Still Seeing This: Measuring the Effectiveness of Ad Controls and Explanations in AI-Mediated Ad Targeting Systems,” 7th AAAI Conference on AI, Ethics, and Society (AIES ’24). [Paper]

WORKSHOP PAPERS

2025	Castleman, Jane* , Nadeem, Nimra*, Namjoshi, Tanvi*, and Liu, Lydia T. (2025), “Missing the Mark: Rethinking Math Benchmarks for LLMs using IRT,” AAAI 2025 Workshop on AI for Education (iRAISE). (Spotlight) [Paper] *denotes equal contribution.
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TALKS

2025	Rethinking Benchmarks: Designing Valid & Reliable Evaluations for Generative AI, Data-Driven Social Science Connect: Interdisciplinary Exchange
2024	Ad Controls & Explanations with AI-mediated Ad Targeting, CITP Conference Tech Policy: The Next 10 Years
2023	The Invisible Ceiling: Barriers to Occupational Licensing for Justice-Impacted Individuals, Civics of Technology Conference

Grants, honors & awards

2026	Siebel Scholar (One of 5 Princeton computer science graduate students selected for an award of \$35,000)
2025	Princeton Data-Driven Social Science Grant (\$9,400)
	Graduate Fellowship in Social Data Science
	Heidelberg Laureate Forum Young Researcher (One of 100 computer science students chosen globally)
	Princeton School of Engineering Travel Award (\$400, x2)
	EWAF Travel Award (\$800)
	CVPR Travel Award (\$1,000)

- 2024 AIES/NSF Student Travel Award (\$1,500)
 Outstanding Student Teaching Award, Princeton CS Dept. (\$1,000)
 McIntosh Senior Thesis Funding Award, Princeton School of Engineering (\$5,000)
- 2023 All-Academic Team (National Intercollegiate Rugby Association)

Research & Professional Experience

- 2024-2025 Center for Information Technology Policy, Research Assistant
Adviser: Aleksandra Korolova
 Initiating and leading multiple concurrent projects studying user privacy on generative AI platforms, limitations of fine-tuning for fairness, and robust evaluations of bias in generative AI. Research published at AIES and FAccT, and workshops at AAAI & CVPR.
- 2023 Ida B. Wells Just Data Lab, Research Associate
Adviser: Ruha Benjamin
 Led analysis of employment barriers for justice-impacted individuals across 41 U.S. occupations; quantified monetary losses (\$25k–\$250k) due to occupational licensing restrictions.
- 2023 Ernst & Young, LLC, Technology Consultant
Supervisor: Arun Balasumbramanian
 Assisted in strategy to deploy AI tools for front- and back-office functions in financial services.

Teaching

- 2025 COS350: Ethics of Computing (Head Teaching Assistant)
 Leading group of 4 TAs to design precepts & grade assignments. Responsible for weekly office hours and/or precepts explaining fundamental course concepts, such as fairness in ML, bias in AI, and differential privacy. Created new teaching materials explaining these concepts to students.
- 2024 COS126: Introduction to Computer Science (Assistant Instructor)
 COS350: Ethics of Computing (Assistant Instructor)
- 2023 COS126: Introduction to Computer Science (Undergraduate TA)
 COS226: Data Structures & Algorithms (Peer Tutor)
 MAT202: Linear Algebra (Peer Tutor)

Leadership & Service

- 2025 **Graduate Representative, Princeton Computer Science Climate & Inclusion Committee**
 2021-2024 **Student Athlete Wellness Leader, Princeton Varsity Women's Rugby**
 Trained representative for players and University Health Services focusing on women's athlete health issues. Previously **Alumni Relations Chair**, coordinating opportunities with team alumni, and **Treasurer**. Committed 20 hours/week to practices, lifts, and competitions.
- 2022-2023 **Co-President, Princeton Research, Innovation, & Design**
 Oversaw 6 software design and development projects involving 30 students and local clients. Responsible for sourcing, scoping, and organizing projects multi-semester projects.

Last updated: November 24, 2025