Jane Castleman

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Education

2024-2026   Princeton University, MSE in Computer Science   GPA: 4.0 / 4.0
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.

2020-2024   Princeton University, BSE in Computer Science   GPA: 3.9 / 4.0
Advisers: Prof. Katrina Ligett & Prof. Aleksandra Korolova   Magna cum laude
Minors in Statistics & Machine Learning, Technology Policy.

Publications & talks

CONFERENCE PAPERS

2025   **Jane Castleman** and Aleksandra Korolova (2025), "Adultification Bias in LLMs and T2I Models," ACM Conference on Fairness, Accountability, and Transparency (FAccT '25). [Paper]

2024   **Jane Castleman** and Aleksandra Korolova (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   **Jane Castleman***, Nimra Nadeem*, Tanvi Namjoshi*, and Lydia T. Liu (2025), "Missing the Mark: Rethinking Math Benchmarks for LLMs using IRT," AAAI 2025 Workshop on AI for Education (iRAISE). **(Spotlight)** [Paper] *denotes equal contribution.*

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)

2024	CVPR Travel Award ($1,000)
	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

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.

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.

COS126: Introduction to Computer Science
Teaching Assistant

Responsible for leading a weekly 50 minute precept of 20 students. Led weekly office hours to assist students with programming assignments for a class of over 200 students.

2024   COS350: Ethics of Computing (Assistant Instructor)
COS126: Introduction to Computer Science (Undergraduate TA)
2023   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**
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