Jane Castleman

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Education

2024-2026   **Princeton University**, MSE in Computer Science (w/ thesis)   GPA: 4.0 / 4.0
Advisor: Prof. Aleksandra Korolova
Relevant Graduate Courses: Theoretical Machine Learning; Deep Learning Theory; AI Safety & Alignment; Security & Privacy; Deep Dive into LLMs; CS, Law, & Policy.

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

Publications & talks

Conference papers

2026   "Measuring Validity and Fairness in LLM-based Resume Screening"
Jane Castleman, Zeyu Shen, Blossom Metevier, Max Springer, & Aleksandra Korolova, 2025.
Accepted to the Second Conference of the International Association of Safe & Ethical AI (IASEAI '26).

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

2024   "Why Am I Still Seeing This: Measuring the Effectiveness of Ad Controls and Explanations in AI-Mediated Ad Targeting Systems"
Jane Castleman and Aleksandra Korolova, 2024.
7th AAAI Conference on AI, Ethics, and Society (AIES '24). [Paper]
Fourth European Workshop on Algorithmic Fairness (EWAF '25).

Workshop papers

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

Invited 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)
        Yale New Directions in Social Algorithms Workshop Travel Award ($600)
        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, Advisor: Aleksandra Korolova
> Initiating and leading multiple concurrent projects to publication, studying user privacy on generative AI platforms, limitations of model alignment, and evaluations of bias in generative AI.

2023   **Ida B. Wells Just Data Lab**
Research Associate, Advisor: 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 Intern, Supervisor: Arun Balasumbramanian
> Assisted in strategy to deploy AI tools for front- and back-office functions in financial services. Analyzed successes and failures of ETL data transformation of >100M client records to optimize pipeline for future projects.

Teaching

2025   **COS350: Ethics of Computing**
Head Teaching Assistant
> Leading group of 4 TAs to plan precepts, help design assignments, & grade assignments. Hold weekly office hours and/or precepts explaining fundamental course concepts, such as fairness in ML, bias in AI, and differential privacy. Creating 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**
Advocating for better graduate student support in research advisor matching, accessible resources for graduate applications, and inclusive community events.

2021-2024 **Student Athlete Wellness Leader, Princeton Varsity Women's Rugby**
Acted as a liaison between players, Princeton Athletics, and University Health Services. Underwent training to provide support on key health issues faced by women college athletes such as mental health, disordered eating, injury recovery, and alcohol use.

2022-2024 **Web Editor, Nassau Weekly**
Initiated and oversaw web design, renovations, and security for the Nassau Weekly website, earning over 100,000 views annually. Worked with the design team, publishing team, and editorial team to publish weekly issues.

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.