

NATALIE Grace Brigham

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EDUCATION

University of Washington

Seattle, WA

Master of Science, Computer Science

2023-2024

- GPA: 4.00
- Thesis: “Violation of my body:” Perceptions of AI-generated non-consensual (intimate) imagery
- Advisor: Tadayoshi Kohno

University of Washington

Seattle, WA

Bachelor of Science, Computer Science

2020-2023

- Overall GPA: 3.95 (Magna Cum Laude); Department GPA: 3.93
- Programs: Interdisciplinary Honors, Lavin Entrepreneurship (highly-competitive co-curricular program for undergraduate entrepreneurs from all majors)

PEER-REVIEWED CONFERENCE PUBLICATIONS

Analyzing the AI Nudification Application Ecosystem

Cassidy Gibson, Daniel Olszewski, Natalie Grace Brigham, Anna Crowder, Kevin R. B. Butler, Patrick Traynor, Elissa M. Redmiles, Tadayoshi Kohno
Preprint.

“Violation of my body:” Perceptions of AI-generated non-consensual (intimate) imagery

Natalie Grace Brigham, Miranda Wei, Tadayoshi Kohno, Elissa M. Redmiles.

Symposium on Usable Privacy and Security (SOUPS), Philadelphia, USA, August 2024.

WORKSHOP PUBLICATIONS & PRESENTATIONS

Developing Story: Case Studies of Generative AI’s Use in Journalism

Natalie Grace Brigham, Chongjiu Gao, Tadayoshi Kohno, Franziska Roesner, Niloofar Miresghallah.
Socially Responsible Language Modeling Research (SoLaR), Vancouver, CA, December 2024.

Measuring and mitigating harms at the intersections of generative AI and image-based sexual abuse

Natalie Grace Brigham.

Societal & User-Centered Privacy in AI (SUPA) Workshop, Philadelphia, USA, August 2024.

HONORS AND AWARDS

Outstanding Master’s Thesis Award (2024): Each year one Master’s thesis from the Paul G. Allen School of Computer Science & Engineering is selected for this award.

Outstanding CSE Senior Award (2023/2024): Each year, four students from the graduating class at the Paul G. Allen School of Computer Science & Engineering are recognized for exceptional academic performance, significant contributions to advancing knowledge, and demonstrated leadership potential and good citizenship.

University of Washington Husky 100 (2023): Each year, 100 undergraduate and graduate students are recognized by the university for “making the most of their time at UW.”

CSE Excellence Scholarship (2023): A scholarship award for undergraduate students at the Paul G. Allen School of Computer Science & Engineering, recognizing outstanding academic achievement.

EXPERIENCE

Software Engineer

Sep. 2024 – Present

Microsoft - Core Web Infrastructure, Azure Machine Learning

Redmond, WA

- Developing a new, open-source JavaScript SDK

Software Engineering Intern

Jun. 2023 - Sep. 2023

Microsoft - Responsible AI Tooling, Azure Machine Learning

Redmond, WA

- Developed local explainability and interpretability mechanisms
- Contributed to open source responsible AI repositories

Co-Founder & Developer

Nov. 2021 - Jun. 2023

*Mezzo**Seattle, WA*

- Built a cross-platform app that helps users make mutually convenient plans for meetups, leading the team of developers
- UW Dempsey Business Plan Competition finalists 2022 and 2023, Featured in Geekwire and UW's The Daily

Software Engineering Intern

Jun. 2022 - Sep. 2022

*Microsoft - Digital Employee Experience, Experiences & Devices**Redmond, WA*

- Created an administrator portal within an HR application (completed design, development, testing, and deployment to production)

Mentor & Program Lead

Jan. 2021 - Jun. 2022

*UW Changemakers in Computing**Seattle, WA*

- Led summer program for high school students with underrepresented identities in tech
- Developed original coding and sociotechnical lessons (e.g., on bias in artificial intelligence)
- Hired and trained a new cohort of mentors

TEACHING EXPERIENCE**Teaching Assistant, University of Washington**

Jan. 2024 – March. 2024

*CSE484: Computer Security & Privacy**Seattle, WA***Teaching Assistant, University of Washington**

Sep. 2024 – Dec. 2024

*CSE190b: Direct Admission Seminar**Seattle, WA*

SERVICE**High School Mentor**

Dec. 2020 – Jun. 2021

*UW Society of Women Engineers**Seattle, WA***Academic Excellence Chair**

Dec. 2020 – Jun. 2021

*UW Kappa Delta**Seattle, WA*