Natalie Grace Brigham

gracebrigham.github.io | www.linkedin.com/in/natalie-grace-brigham/

Education

University of Washington   Seattle, WA

Ph.D. Computer Science   *2025-Present*
- Advisor: Tadayoshi Kohno
- UW CSE Fellowship: 2025-2026 Wilma Bradley Endowed Fellowship Awardee

M.S. Computer Science   *2023-2024*
- Advisor: Tadayoshi Kohno
- GPA: 4.00
- Thesis: *"Violation of my body:" Perceptions of AI-generated non-consensual (intimate) imagery*   (Outstanding Master's Thesis)

B.S. 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.
USENIX Security Symposium, Seattle, USA, August 2025.
Internet Defense Prize Runner Up

"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 Mireshghallah.
Socially Responsible Language Modelling Research (SoLaR) Workshop, 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.

Work Experience

Software Engineer   Sep. 2024 – Sep. 2025
Microsoft - Core Web & Knowledge, Foundry Agent Platform   *Redmond, WA*
- Developed a new, open-source JavaScript SDK for agent operations with 50k+ downloads in the first 6 months
- Created a pro-code agent building platform

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*