

Miriam Andromeda Brody

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Research interests: Human-Computer Interaction, Creativity Support, & Accessibility

Education

University of Washington

Ph.D. in Computer Science, Paul G. Allen School of Computer Science & Engineering

Seattle, WA

2026 – present

- Advisor: Jacob O. Wobbrock

Pomona College

B.A. in Computer Science, cum laude

Claremont, CA

2022 – 2026

- GPA: 3.93
- Advisors: Jingyi Li and Jane E
- Study abroad: University of Cambridge, Jesus College, Cambridge, UK (Spring 2025); Swarthmore College, Swarthmore, PA (Fall 2024)

Publications

Conference Papers

- [C.2] **Brody, M.**, Rodrigues, I., E, J. L., and Li, J. (2025). *Expanding Norms, Negotiating Bodies: How Artists with Disabilities Perceive and Use Creative Tools*. Proceedings of the 27th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '25). New York, NY: ACM Press. [[ASSETS paper](#)]
- [C.1] Osborn, J. C., Wieser, K., and **Brody, M.** (2024). *RetroFit: Post-Facto Accessibility for Retro Games*. Proceedings of the 19th International Conference on the Foundations of Digital Games (FDG '24). New York, NY: Association for Computing Machinery. [[FDG paper](#)]

Manuscripts Under Review

- [S.2] Keeney, R. G., Newman, K., **Brody, M.**, Begel, A., and Endres, M. (2027). [Title redacted for double-blind review.] Manuscript submitted to the 49th International Conference on Software Engineering (ICSE 2027).
- [S.1] **Brody, M.**, E, J. L., and Li, J. (2026). *Designing for Emotional Safety: Orientation, Identity, and the “Other” in Creativity Support Tools*. Under review at the ACM Conference on Human Factors in Computing Systems (CHI '27).

Awards and Fellowships

David Notkin Endowed Fellowship in Computer Science & Engineering, \$3,000	2026
Cum laude honors, awarded to the top quarter of graduating seniors, Pomona College	2026
Provost Fellowship, University of Washington Information School (declined)	2026
CRA Outstanding Undergraduate Researcher Award, Honorable Mention	2026
SIGACCESS Travel Scholarship, ASSETS '25	2025
Pomona College Scholar, awarded to the top quarter of students in each class	2025
CMD-IT/ACM Richard Tapia Conference Full Scholarship	2025
Amazon Future Engineer Scholarship, \$40,000	2022 – 2025
PG&E Better Together STEM Scholar, \$5,000	2024
PG&E Better Together STEM Scholar, \$10,000	2022
Professional Business Women of California Scholar, \$1,000	2022
MIT Beaver Works Summer Institute Co-Designer Collaboration Award	2021

Research Experience

ACE Lab, University of Washington

Graduate Student Researcher

2026 – present

Advisor: Jacob O. Wobbrock

- Researching responsible AI and well-being, with a focus on how AI-assisted creative tools can better support disabled creators.

VariAbility Lab, Carnegie Mellon University

Research Assistant

2025 – 2026

Advisors: Kaia Newman and Andrew Begel. Topic: ADHD Programmer Support

- Created and applied index coding system to gain insight from participant interviews and observational sessions in collaboration with research team.
- Outcome: manuscript submitted to ICSE 2027 [S.2].

Doodle Lab, Pomona College

Undergraduate Researcher

2024 – 2026

Advisor: Jingyi Li. Topics: Creativity Support Tools (CSTs), community-based research methods, Crip-Technoscience

- Designed research methodology, scope, and approach for a community-based study. Built partnerships with twelve disabled artists; developed interview guide and conducted interviews. Led thematic analysis and qualitative coding of interview data.
- Outcome: published at ASSETS 2025 [C.2].

Formal Analysis of Media Lab, Pomona College

Undergraduate Researcher

2023 – 2024

Advisor: Joseph Osborn. Topics: game/digital artifact accessibility, accessibility for low vision users

- Organized package feature documentation for the project's package framework. Researched literature on how to adjust game affordances for visually impaired players.
- Outcome: published at FDG 2024 [C.1].

Gawad Pediatric Oncology Lab, Stanford University Medicine

Research Assistant

Summer 2022

Advisors: Veronica Gonzalez-Pena and Charles Gawad. Topics: visualization of medical data, development of single-cell sequencing methods

- Initiated and developed a computational protocol using Scanpy to streamline lab technicians' workflows. Performed single-cell sequencing and PBMC blood isolation.
- Outcome: Scanpy on-boarding protocol adopted into Gawad lab.

Industry Experience

Amazon Corporation

Software Development Engineer Intern

Seattle, WA

Summers 2023, 2024, 2025

- 2025: Designed and developed a full-stack application for the Payments team's internal tooling and conducted UX/UI usability testing.
- 2024: Designed and integrated internal notification system to signal outbound customer notifications for Payments team.
- 2023: Implemented payment processor data storage and access system for the data of five million customers. Shortened expired payment ticket handling workflow from two weeks to one day for Mexico payments team engineers.

Invited Talks and Lectures

Talks

- "Advancing Access Through Highlighting Crip Technoscience in the Arts," University of Washington Create-Seminar: Art x Accessibility (Zoom) Feb. 23, 2026
- "Collaborating with a Co-Designer," MIT Beaver Works CreATe Challenge (Zoom) Feb. 1, 2026
- "Interviewing and Preparing Design Documentation for Accessibility Engineering," MIT Beaver Works CreATe Challenge (Zoom) Mar. 1, 2025

Guest Lectures, CSCI 122 Computational Design Tools, Pomona College (in person)

- "Building Wizard of Oz Prototypes in Figma" Mar. 25, 2026
- "Justifying Design Decisions: Introduction to Writing Technical HCI Research Papers" Mar. 23, 2026
- "Digital Fabrication: Building Press Fit Kits with Laser Cutters" Feb. 9, 2026

Teaching and Mentorship

- Teaching Assistant, CSCI 122 Computational Design Tools, Pomona College Spring 2026
- Teaching Assistant, CSCI 51 Introduction to Computer Science, Pomona College Fall 2025, Spring 2026
- Grading and Problem-Solving Assistant, PHYS070 Big Ideas in Modern Physics, Pomona College Fall 2023
- Teaching Assistant, MIT Beaver Works CreATe Assistive Technology Program Spring 2023, 2024
- Teaching Assistant, MIT Beaver Works Summer Institute, Designing for Assistive Technology Summer 2022