Sophia Liu

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EDUCATION

University of California, Berkeley Expected May 2026
B.A. in Computer Science
EECS Honors Program, concentration in AI Ethics & Digital Cultures

HONORS AND AWARDS

- CRA CCC Blue Sky Award, ACM Hypertext 2025
- Evergreen Undergraduate Research Award, UC Berkeley EECS, 2025
- Grace Hopper Celebration Grant, UC Berkeley EECS, 2024, 2025
- EECS Honors Program Scholar, UC Berkeley
- Upsilon Pi Epsilon (CS Honor Society), 2023–Present

RESEARCH EXPERIENCE

Berkeley Institute of Design, UC Berkeley Jan 2025 – Present
Research Assistant
Advisors: Bjoern Hartmann, Shm Garanganao Almeda

Human-Computer Interaction Institute, Carnegie Mellon University May 2025 – Sep 2025
Research Intern (NSF REU Program)
Advisors: Kenneth Holstein, Haiyi Zhu, Tzu-Sheng Kuo

Hybrid Ecologies Lab, UC Berkeley Oct 2024 – May 2025
Research Assistant
Advisors: Eric Paulos, Hila Mor

Center for New Music and Audio Technologies, UC Berkeley Oct 2024 – May 2025
Research Assistant
Advisor: Carmine Emanuele Cella

Gopnik Cognitive Development and Learning Lab, UC Berkeley Oct 2022 – Jan 2024
Research Assistant
Advisors: Alison Gopnik, Eunice Yiu

PUBLICATIONS

Sophia Liu and Shm Garanganao Almeda. (2025). *Agency Among Agents: Designing with Hypertextual Friction in the Algorithmic Web.* Adjunct Proceedings of the 35th ACM Conference on Hypertext & Social Media (HT 2025), Chicago, IL. 🏅 **Blue Sky Award.** [paper]

Tzu-Sheng Kuo, **Sophia Liu**, Quan Ze Chen, Joseph Seering, Amy X. Zhang, Haiyi Zhu, and Kenneth Holstein. (2025). *Botender: Supporting Communities in Collaboratively Designing AI Agents through Case-Based Provocations.* In submission. [preprint]

Shm Garanganao Almeda, John Joon Young Chung, Bjoern Hartmann, **Sophia Liu**, Brett A. Halperin, Yuwen Lu, and Max Kreminski. (2025). *Artographer: A Curatorial Interface for Art Space Exploration.* In submission.

TALKS, PRESENTATIONS, AND POSTERS

Agency Among Agents: Designing with Hypertextual Friction in the Algorithmic Web. Oral presentation, ACM Hypertext & Social Media Conference (HT 2025), Chicago, IL, Sep 18, 2025. 🎗 **Blue Sky Award.** [video] [slides]

Botender: Supporting Communities in Collaboratively Designing Community AI Agents through Case-Grounded Prototyping. Poster, HCII REU Symposium, Carnegie Mellon University, Jul 31, 2025. [poster]

Artifactor: Using Data-Driven Generation & Search for Creative Engagement with Art History. Poster, EPIC Data Lab Retreat, UC Berkeley, Apr 16, 2025. [poster]

Cybernetics, Counterculture, & Cyberculture. Guest Lecture, CS 195: Social Implications of Computer Technology, UC Berkeley, Apr 1, 2025. [slides]

TEACHING EXPERIENCE

CS 61A: Structure and Interpretation of Computer Programs, UC Berkeley   Fall 2024, Fall 2025
Head Teaching Assistant
Instructor: John DeNero

CS 195: Social Implications of Computer Technology, UC Berkeley   Spring 2025
Head Teaching Assistant
Instructor: Joshua Hug

INDUSTRY EXPERIENCE

Software Developer Intern, Federal Reserve Board   May 2024 – Aug 2024
User Experience & Digital Innovation Division, Washington, D.C.

Software Engineer Intern, InClass   Sep 2023 – Jan 2024
Berkeley, California

ACADEMIC SERVICE

- Undergraduate Representative, EECS Faculty Search Committee, UC Berkeley (Spring 2025)
- Student Volunteer, ACM Hypertext & Social Media Conference (HT 2025)
- Reviewer, New Interfaces for Musical Expression (NIME 2025)

Updated: October 15, 2025