

# Kaitlynn Gray

Computer scientist, graphic + UI designer, and researcher with strong creative skills.

[kaitlynngray314@gmail.com](mailto:kaitlynngray314@gmail.com) | (818) 554-2829 | [mehnemoi.github.io](https://mehnemoi.github.io) | [LinkedIn](#) | Mission Hills, CA

## EDUCATION

### **B.S., Computer Science**

Harvey Mudd College (HMC), Claremont, CA

*May 2025*

### **Study Abroad**

University of New South Wales, Sydney, New South Wales, Australia

*January 2024 - May 2024*

## COMPLETED COURSES

Algorithm Design and Analysis,  
Data Structures / Programming  
Development,  
Computational Design Tools,  
Computer Graphics,  
Human-Centered Design,  
Computer Science Clinic,  
Computability and Logic,  
Computer Systems,  
Computer-Aided Design  
Theatre,  
Introduction to 2D Design

## SKILLS

### **Programming Languages and Tools:**

Python, JavaScript, C++, C,  
TypeScript, HTML5, CSS3, Quarto,  
Markdown, SCSS, React, Bootstrap,  
Tailwind CSS, Git, Linux development  
environment

**Software:** Canva, Figma, GitHub,  
Adobe InDesign, Adobe Illustrator,  
Adobe Photoshop, Webflow, Nuke by  
Foundry (VFX editing), OpenSCAD (3D  
Modeler), VectorWorks (3D Design  
Software), SaturateApp (Qualitative  
Analysis Tool),

**Creative:** Visual / Graphic Design, UI  
Design, Human-Centered Design,  
Sketching, 3D Printing, Laser cutting

## COMPUTER SCIENCE RESEARCH

### Human-Computer Interaction Researcher - [CACTI Lab](#)

Harvey Mudd College, Claremont, CA

May 2024 - July 2024

---

- **Published** a blog in the Association of Computing Machinery's *IX Interactions* about our team's experience navigating undergraduate research and facing imposter syndrome sourced from researching HCI within the broader CS field
- Explored intersection of disability & climate change by engaging with > **70** research papers and other relevant media
- **Improved oral communication** and teamwork skills by collaboratively analyzing exploratory findings using **qualitative coding** and **thematic analysis** in a team of 3 undergraduate students and a faculty advisor
- **Designed a primary and secondary logo** in Canva for lab materials and memorabilia, including identifying lab-specific typography for lab-based designs

### Computer Science Education Researcher

University of Illinois Urbana-Champaign, Claremont, CA

May '23 - July '23

---

- **Published** a graduate research paper to the 2024 Special Interest Group on Computer Science Education Technical Symposium (SIGCSE TS 2024)
- Collaborated with 2 CS Education graduate researchers and a Ph.D. advisor to **aid in writing a research paper** focusing on the experience of women in CS when assumed to be a "diversity hire"
- **Analyzed 23 interview transcripts**, identified theme codes using SaturateApp, an online qualitative analysis tool, and determined connections between themes shared by interviewees

### CS Entrepreneurship Researcher - Summer Start Up

Harvey Mudd College, Claremont, CA

May 2022 - July 2022

---

- Developed a web application titled Gradescope Calendar to improve students' abilities to use Gradescope to track assignments in collaboration with a team of 2 undergraduate researchers
- Programmed a web page using **React**, **JavaScript**, **CSS3**, and **Bootstrap** to organize assignment data
- Conceptualized and **designed the UI** for the weekly assignments page and monthly calendar page

Kaitlynn Gray [2]

## PUBLICATIONS

### Being a First-Year Undergrad in Human-Centered Research

#### [ACM iX Interactions '25]

Lily Anfang, Maya Flynn, **Kaitlynn Gray**, Ethan Sandoval, and Lynn Kirabo. 2025. Being a First-Year Undergrad in Human-Centered Research. Interactions 32, 1 (January - February 2025), 6–7. <https://doi.org/10.1145/3706625>

### The Diversity-Hire Narrative in CS: Sources, Impacts, and Responses

#### [SIGCSE '24]

Christopher Perdriau, Vidushi Ojha, **Kaitlynn Gray**, Brent Lagesse, and Colleen M. Lewis. 2024. The Diversity-Hire Narrative in CS: Sources, Impacts, and Responses. In Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 1 (SIGCSE 2024). Association for Computing Machinery, New York, NY, USA, 1049–1055. <https://doi.org/10.1145/3626252.3630945>

### The Diversity-Hire Narrative in CS: Sources, Impacts, and Mitigation Strategies

#### [ICER '23]

Christopher Perdriau, Vidushi Ojha, **Kaitlynn T. Gray**, Brent Lagesse, and Colleen M. Lewis. 2023. The Diversity-Hire Narrative in CS: Sources, Impacts, and Mitigation Strategies. In Proceedings of the 2023 ACM Conference on International Computing Education Research - Volume 2 (ICER '23), Vol. 2. Association for Computing Machinery, New York, NY, USA, 20–21. <https://doi.org/10.1145/3568812.3603479>

## COMPUTER SCIENCE EXPERIENCE AND PROJECTS

### UI Designer - Webflow Clinic Project

Harvey Mudd College Clinic Program, Claremont, CA  
*August 2024 - May 2025*

- 
- Collaborated with 5 computer science students to develop a Chrome and Webflow extension built using **React**
  - Strengthened oral and written communication skills by contributing to **2 written capstone reports for liaisons** and **3 presentations** about our project to the Harvey Mudd community
  - Designed and wireframed our product's UI in **Figma** using a team-created technical specifications document to ensure we met the intended needs of users; **programmed our UI** using **CSS3**, **TypeScript**, and **Tailwind CSS**

Kaitlynn Gray [3]

### **Web Application Developer - MUSE**

Computational Design Tools Class, Claremont, CA

*October 2024 - December 2024*

---

- Created project that improves user's conceptualization of sound by applying sound editing and mixing to color
- Developed MUSE web application using **JavaScript**, **HTML5**, and **CSS3** with team of 3 students
- Programmed color mixing functionality and utilized the Color API to name the produced color

### **Customizing Cloth Simulator**

Computer Graphics Class

*November 2023 - December 2023*

---

- Remixed a pre-made Pygame cloth simulator to add double-sided colors and images, add particle-like effects, and update the physics of the cloth in **Python** with a team of 2 computer graphics students
- Created and programmed 2D "spheres" on the cloth using 2 semicircles and a dynamic oval controlled by a custom quadratic function

## **DESIGN EXPERIENCE AND PROJECTS**

### **Summer Senior Admissions Intern**

Harvey Mudd College - Office of Admissions, Claremont, CA

*May 2025 - August 2025*

---

- **Interviewed over 15 students** to gauge their fit for HMC by learning about their high school career and goals for college
- Identified **~75 areas of improvement** on the HMC Admissions website, including **aiding in understanding a bug** that redirects users to a buggy version of the site
- **Collaboratively designed 2 infographics** with 2 senior summer interns in **Canva** for the Harvey Mudd FAST and WISTEM program pages using the HMC design guidelines
- Temporarily **served as a Discord moderator** on the HMC Discord to update the Frequently Asked Questions Forums with new information

### **Yearbook Spread Designer - Spectrum Yearbook**

Harvey Mudd College, Claremont, CA

*Sep 2021 - Mar 2025*

Kaitlynn Gray [4]

- 
- Created **graphic designs for multiple pages** included in **4 years of yearbooks** distributed to Harvey Mudd students
  - **Strengthened layout skills** when organizing photos, graphics, and text on yearbook spreads using **Canva** and **Jostens**
  - Identified colors, elements, and fonts for the theme of the 2021-2022 Yearbook in collaboration with the co-presidents

### **Chief of Design - Muddraker Student Newspaper**

Harvey Mudd College, Claremont, CA

*Aug 2022 - May 2023*

---

- Gained proficiency in **Adobe InDesign** through designing newspaper spreads for the student newspaper
- Aided in sharing my knowledge of Adobe InDesign with members of the Muddraker team
- Collaborated with writers and photographers to highlight key events and people at Harvey Mudd College

### **Product Designer - Skin Care Product Design**

Human-Centered Design Class, Claremont, CA

*September 2023*

---

- Independently **designed a skin-care product key** that improved confidence when selecting skin-care products
- Conducted **5 empathy interviews** with detailed notes on insights, **developed 2 POVs**, **generated 50 ideas** (43 with AI, 7 self-generated) using “How might we...”-styled questions, **prototyped product**, and **presented product** in class

### **Social Media Intern**

Harvey Mudd College - Office of Admissions, Claremont, CA

*January 2023 - May 2023*

---

- Developed creative ideas for **Instagram** and **TikTok posts** to highlight the resources available on campus
- Designed visually compelling Instagram posts using **Canva**