

# Khien Pham

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## Experience

### HXI Lab

Jan. 2022 - Present

WEB DEVELOPER | HTML/CSS, Javascript

- Working on the development of ChronoViz, a tool that allows ethnographers to create annotations from multiple streams of video data, under PhD. Steven Rick.
- Currently working on the development and design of the timeline to allow for easy viewing of annotation data.

### Temple HCI Lab

Oct. 2021 - Present

WEB DEVELOPER | Miro, Next.js, Firebase

- Working on the development of SmartBoards, a system designed to augment digital whiteboards to extract design data and provide computational support for participants in workshops, under Professor Stephen MacNeil.
- Currently researching ways of synchronizing team activity that allows for coherent facilitation.

### PowerUp

June 2021 - Sept 2021

WEB DEVELOPER | JavaScript, HTML/CSS, Figma

- Collaborated with a team of designers and researchers to help a local business revamp their online presence (website, social media).
- Created the **website** by incorporating iterative development practices and using HTML/CSS and JavaScript.

### UCSD Circle K

June 2021 - Sept. 2021

WEB DEVELOPER | ReactJS, HTML/CSS, Firebase, Docker

- Implemented new features and pages to improve website usability and design for UCSD Circle K members.
- Created member components using ReactJS and displayed member data from Firebase, used Docker to create and work on a local environment.

## Education

### University of California, San Diego

B.S. IN COGNITIVE SCIENCE: DESIGN AND INTERACTION, MINOR IN COMPUTER SCIENCE AND DESIGN

Sep. 2018 - Jun. 2022

- **GPA:** 3.7 (Major), 3.6 (CS Minor), 4.0 (Design Minor)
- **Clubs:** ACM Cyber (Part of the Logistics Committee), ACM General
- **Coursework:** Data Structures, Algorithms, Software Engineering, Server-Side Web Languages, Systems Programming, Software Tools, Prototyping: User Research and Mobile Information Systems

## Projects

### Recipeal

Oct. 2021 - Dec. 2021

WEB APPLICATION | JavaScript, HTML/CSS

- A recipe manager that allows users to store and organize their favorite recipes, and find new ones.
- Implemented the CRUD functions for recipe data, created front-end components (pages, buttons, inputs), and designed the final styling.

### Automated Laundry Folder (IEEE Quarterly Projects)

Oct. 2021 - Nov. 2021

ELECTRONIC MACHINE | Arduino, SolidWorks

- A machine that automatically folds clothes using servos and an Arduino.
- Conducted user research to ideate on project features, connected servos to the Arduino, and wrote Arduino code to control the servos.
- Awarded Best Presentation

## Skills

**Languages** JavaScript, HTML/CSS, Python, C++, Java, R

**Tools/Frameworks** ReactJS, Node.js, MongoDB, Firebase, Git, GDB/Valgrind, Arduino, Tidyverse, Pandas, Figma, Photoshop, Premiere Pro

**Hobbies** PC/Keyboard customization, Video editing, Hiking, Tennis