

# Khien Pham

San Diego, CA

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## 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:** Association of Computing Machinery (ACM), Institute of Electrical and Electronic Engineers (IEEE)
- **Coursework:** Data Structures, Algorithms, Software Engineering, Software Tools, Systems Programming, Online Database Analytics

### CodePath

CERTIFICATE IN INTERMEDIATE SOFTWARE ENGINEERING

June 2022 - Aug. 2022

- Reviewed challenging algorithmic problems in preparation for technical interviews through weekly pair programming sessions and mentorship.

## Experience

### Temple HCI Lab

Oct. 2021 - June 2022

WEB DEVELOPER | React, Next.js, Firebase, ChakraUI, Figma, Miro

- Worked on a web application that augments digital whiteboards for participants in design workshops by providing computational support, under Professor Stephen MacNeil.
- Researched and prototyped ways of adapting workshop activities based on user progress to assist in their design process using Figma.
- Developed logging script that captures user activity using JavaScript and records it to Firebase for later analysis.

### HXI Lab

Jan. 2022 - June 2022

WEB DEVELOPER | HTML/CSS, JavaScript

- Worked on a web application that creates annotations from multiple streams of video data, under PhD. Steven Rick.
- Developed the annotation timeline with space efficiency in mind, enhanced video playback and manipulation features for flexibility of use.

### 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).
- Built the **website** based off design mockups by incorporating iterative development practices and using HTML/CSS and JavaScript.

### UCSD Circle K

June 2021 - Sept. 2021

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

- Built member components using React and displayed member data from Firebase to improve website usability for UCSD Circle K members.

## Projects

### Recipeal

Oct. 2021 - Dec. 2021

WEB APPLICATION | JavaScript, HTML/CSS, Bootstrap, Cypress, Netlify

- Developed the CRUD functions for a recipe manager that manipulates user recipe data and stores them in local storage.
- Retrieved new recipe data from SpoonacularAPI and created styled front-end components to display them, allowing users to explore new recipes.

### Automated Laundry Folder (IEEE Quarterly Projects) - Awarded Best Presentation

Oct. 2021 - Nov. 2021

ELECTRONIC MACHINE | Arduino, SolidWorks

- Programmed a machine to fold clothes using servos and an Arduino to automate the laundry folding process.

### MBot

Aug. 2020 - Oct. 2020

SOCIAL MEDIA BOT | Node.js, MongoDB, Heroku

- Built a discord bot with currency/xp system for entertainment purposes by using Node.js, storing user data in MongoDB, and hosting on Heroku.

## Skills

**Languages** JavaScript, HTML/CSS, Python, Java

**Tools/Frameworks** React, Node.js, MongoDB, Firebase, Git, Arduino, Figma, Photoshop, Premiere Pro

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