

Khien Pham

San Diego, CA

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Education

University of California, San Diego

La Jolla, CA

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

Sept. 2018 - June 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), Design Co
- **Coursework:** Data Structures, Algorithms, Software Engineering, Software Tools, Systems Programming, Online Database Analytics

Skills

Languages JavaScript, HTML/CSS, Python, Java

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

Certifications CodePath Intermediate Software Engineering (June 2022 - August 2022)

Experience

Human-centered eXtended Intelligence Lab

La Jolla, CA

WEB DEVELOPER | *JavaScript, HTML/CSS*

Jan. 2022 - June 2022

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

Temple University Human-Computer Interaction Lab

Philadelphia, PA

WEB DEVELOPER / RESEARCH ASSISTANT | *React, Next.js, Firebase, ChakraUI*

Oct. 2021 - June 2022

- Developed a web application that augments digital whiteboards for design workshop participants 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.
- Implemented logging script that captures user activity using JavaScript and records it to Firebase for later analysis.

PowerUp (Case Study)

La Jolla, CA

WEB DEVELOPER | *JavaScript, HTML/CSS*

June 2021 - Sept. 2021

- 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.

Projects

Recipeal

[View Project](#)

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.

MBot

[View Project](#)

SOCIAL MEDIA BOT | *Node.js, MongoDB, Heroku*

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

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

[View Project](#)

ELECTRONIC MACHINE | *Arduino, SolidWorks*

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

Leadership Experience

CodePath

Remote

TECHNICAL INTERVIEW PREP COACH

Sept. 2022 - Present

- Facilitate technical mock interviews and pair programming for a group of students.
- Help answer technical questions relating to data structures and algorithms.

ACM Cyber

La Jolla, CA

WEB DEVELOPER / LOGISTICS COMMITTEE | *Gatsby.js, JavaScript, HTML/CSS*

Sept. 2021 - June 2022

- Implemented the new design to the San Diego CTF website based off design mockups using Gatsby.js.
- Reached out to cybersecurity companies for club sponsorships and helped distribute prizes for the San Diego CTF competition.