Khiem Pham

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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

Experience

Temple HCI Lab *Oct. 2021 - June 2022*

Web Developer | *React, Next.js, Firebase, ChakraUI, Miro*

- Worked on CoBoards, a system that augments digital whiteboards for participants in design workshops by extracting design data and providing computational support, under Professor Stephen MacNeil.
- Researched ways of adapting workshop activities to synchronize with a user's progress.
- Developed logging script that captures user activity and records it to Firebase for later analysis.

HXI Lab *Jan. 2022 - June 2022*

Web Developer | *HTML/CSS, JavaScript*

- Worked on ChronoViz, a tool 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 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*

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

Projects

Recipeal *Oct. 2021 - Dec. 2021*

Web Application | *JavaScript, HTML/CSS, Bootstrap, Cypress, Netlify*

- Developed a recipe manager that allows users to store and organize their favorite recipes, and find new ones.
- Implemented the Create, Read, Update, and Delete functions for manipulating user recipe data and storing to local storage.
- Retrieved recipe data from SpoonacularAPI and created styled front-end components to display them.

Automated Laundry Folder (IEEE Quarterly Projects) - Awarded Best Presentation *Oct. 2021 - Nov. 2021*

Electronic Machine | *Arduino, SolidWorks*

- Built a machine that automatically folds clothes using servos and an Arduino.
- Developed the code to control the servos using Arduino IDE.
- Conducted user research to ideate on user-centered machine features and design.

MBot *Aug. 2020 - Oct. 2020*

Social Media Bot | *Node.js, MongoDB, Heroku*

- Built a discord bot with administrative commands, mini-games, and currency/xp system for practical/entertainment purposes.
- Developed using Node.js, user data stored in MongoDB, hosted on Heroku.

Skills

Languages	JavaScript, HTML/CSS, Python, Java
Tools/Frameworks	React, Node.js, MongoDB, Firebase, Git, Arduino, Figma, Photoshop, Premiere Pro
Hobbies	PC/Keyboard customization, Video editing, Hiking, Tennis