Khiem Pham

✉ khiempham841@gmail.com | 🏠 kpham841.github.io | kpham841 | in kpham841

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, Institute of Electrical and Electronic Engineers
- **Coursework:** Data Structures, Algorithms, Software Engineering, Software Tools, Systems Programming, Online Database Analytics

Experience

Temple HCI Lab   *Oct. 2021 - Present*

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

- Building CoBoards, a system designed to augment digital whiteboards to extract design data and provide computational support for participants in workshops, under Professor Stephen MacNeil.
- Researching 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*

- Assisted with the development of ChronoViz, a tool that creates annotations from multiple streams of video data, under PhD. Steven Rick.
- Developed the annotation timeline logic for space efficiency, assisted with 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.

Skills

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