

Duy Pham

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Education

September 2018 - June 2022

University of California, San Diego - La Jolla, CA

B.S. Cognitive Science (Specialization in Machine Learning, Neural Computation)

- GPA: 3.912 / 4.0
- Courses Summary: Computer Science, Data Science, Machine Learning, Neuroscience
- Awards and Honors: Cum Laude (Top 14%), Provost Honors (3.5+ GPA, All Terms)
- Activities and Societies: IEEE Annal Projects (Extracurricular Robots Engineering Competitions), Warren College Honors Society (3.7+ GPA, All Terms)

Experience

March 2023 - Present

KellynKai - Campbell, CA

Software Engineering Consultant

- Rewrite AstraChat, an XMPP messaging app from Vue 2 to Vue 3, upgrade from Vuex to Pinia, improving functionality, speed, and organization
- Upgrade KellynKai homepage from Vue 2 to Vue 3, massively improving load times, rewrite major parts of the UI to be more intuitive, paying special attention to student and tutor class scheduling

February 2023 - March 2023

KellynKai - Campbell, CA

Software Engineer Intern

- Developed frontend of Silicon Valley TechEd startup KellynKai, a web-based Chinese learning platform using Vue.js
- Migrated mobile flashcard app from Vue 2 and Vuetify 2 to Vue 3 and Vuetify 3, greatly improving UI, adding more features such as enhanced neural text-to-speech, and refactoring the codebase for better maintainability

January 2023 - February 2023

Relaymile - Alameda, CA

Web Development Intern

- Developed frontend of React web application for networking carriers, brokers, and shippers on a single platform.
- Handled assigned tasks daily on Asana project management tool, including building and modifying React components, consuming backend APIs with AJAX, and implementing client requests directly from Relaymile CEO.

October 2018 - June 2022

IEEE Student Branch at UC San Diego - La Jolla, CA

RoboCup SSL Software Lead

- Cooperated with teams of electrical engineers, mechanical engineers, and software engineers.
- Developed centralized off-field AI software to simultaneously coordinate a team of independent on-field robots.
- Developed algorithms for pathfinding, decision-making, and broadcasting movement and kicking commands.
- As software lead, delegated work schedules and assigned tasks to a small team of software developers.

August 2015 - June 2018

Mathematics, Engineering, Science Achievement (MESA) Program For The University of California Office of the President - Garden Grove, CA

National Engineering and Design Competition Contestant

- As competitor in MESA's National Engineering and Design Competition developed a document organizing system able to visually scan and automatically sort stacks of papers.
- Pitched document organizing system in front of judges and technical interviews in multiple events at the local, regional, state, and national levels.
- Led team of two other students to place second in the national competition for NEDC.

Skills

- Front-End Languages: HTML, CSS, JavaScript, Typescript
- Front-End Frameworks / Libraries: React, Vue, Next.js, Redux, React-Router
- CSS Styling Frameworks: MUI Core (Formerly Material UI), Chakra UI, MaterializeCSS
- Back-End Languages: Java, Python, SQL
- Back-End Frameworks / Libraries: Node.js, Express, PostgreSQL, Docker
- Testing Frameworks: Jest, React Testing Library
- General Software Development: Git, GitHub, VS Code, Asana