



# Duy Pham

## Front-End Web Developer

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Recent university graduate seeking a full-time web developer job. Experienced in fast-paced team environments to meet competitive deadlines. Independent learner willing to research solutions to open-ended problems.

## Professional Experience

### IEEE RoboCup SSL Software Lead

IEEE Student Branch at UC San Diego | October 2018 - June 2022

- Software lead since 2021.
- Collaborated in in year-long electrical engineering and software engineering project IEEE RoboCup. Developed the centralized off-field AI software to simultaneously coordinate a team of independent onfield robots.
- The AI software was responsible for pathfinding, decision-making, and sending movement and kicking commands.
- The AI was developed in Java and was created to be modular. Each module communicated with each other through a publisher-subscriber pattern utilizing RabbitMQ.
- The central AI interfaced with each robot through UDP and protobuf.
- After two years, I was asked to lead software development due to my expertise. As software lead, I delegated work schedules and assigned tasks to a small team of software developers.

### MESA Competitor

Mathematics, Engineering, Science Achievement (MESA) Program | August 2015 - June 2018

- Participant in MESA engineering competitions.
- Worked within a team environment to build robots and software to compete against other high schools at UC Irvine MESA branch.
- Representing Bolsa Grande High School, UC Irvine, and the state of California, designed, built, and pitched a phototype of a document sorting machine in front of a crowd of judges and students in MESA's National Engineering and Design Competition
- As a result, placed second nationally in MESA's National Engineering and Design Competition

## Education

### B.S. in Cognitive Science with Specialization in Machine Learning, Neural Computation

University of California, San Diego | September 2018 - June 2022

- GPA: 3.912 / 4.0
- Awards and Honors: Cum Laude (Top 14%), Provost Honors (≥ 3.5 GPA, All Terms)
- Activities and Societies: IEEE Annual Projects (Extracurricular Robotics Engineering Competitions), Warren College Honors Society (≥ 3.7 GPA, All Terms)

### High School

#### Diploma

Bolsa Grande High School | August 2014 - June 2018

- GPA: 3.8 / 4.0
- SAT Score: 1480 / 1600 (Top 99%)
- Awards and Honors: AP Scholar with Distinction (Avg. ≥ 3.5 All AP Exams Taken, and ≥ 3 on 5 Exams)
- Activities and Societies: STEM Club (Extracurricular Competitive Engineering and Software Engineering Competitions)

## Key Skills

- HTML
- CSS
- React
- Next.js
- TypeScript
- JavaScript