

Duy Pham

Garden Grove, California, United States



duypham12241999@gmail.com



(714) 332-7916



[linkedin.com/in/duy-pham-a15160140](https://www.linkedin.com/in/duy-pham-a15160140)

Summary

Continuing student of the University of California - San Diego. Receiving a comprehensive education in programming, cognitive science, and machine learning. Refining real-world application and team collaboration through various STEM competitions and events.

Experience



IEEE RoboCup SSL Software Lead

IEEE Student Branch at UC San Diego

Oct 2018 - Present (3 years 3 months +)

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 on-field 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.



Residential Dining Food Service Worker

UC San Diego - Housing • Dining • Hospitality

Sep 2021 - Oct 2021 (2 months)

Provided general assistance to career food service workers.

Provided customer service to students, staff, faculty and off-campus patrons.

Customer service included greeting customers, preparing and serving food and beverages, and operating kitchen equipment.



STEM Club Student Competitor

Mathematics, Engineering, Science Achievement (MESA) program

Aug 2015 - Jun 2018 (2 years 11 months)

Participated in Bolsa Grande High School STEM Club, a student organization offering hands-on workshops and opportunities for achievement in STEM-field competitions.

In my senior year, formed a team for the National Engineering and Design Competition (NEDC) hosted by MESA.

Conceptualized project ideas and designed the overall operation of the project with product development platform OnShape.

Constructed the frame of the machine, modeled and implemented circuitry, and programmed Arduino and Raspberry Pi.

Pitched the product before a series of judges in a series of private technical interviews and public presentations.

Initially representing Bolsa Grande High School in the regional competition, we eventually represented UC Irvine in the statewide competition, and finally the state of California in the national competition.

Through our product pitch, we were awarded second place in the national event.

Education



UC San Diego

Bachelor of Science - BS, Cognitive Science with Specialization in Machine Learning and Neural Computation

Sep 2018 - Jun 2022



Bolsa Grande High School

High School Diploma

Aug 2014 - Jun 2018

Skills

Python (Programming Language) • Machine Learning • Data Science • Data Analysis • Project Management • Science • Java • GitHub • Git • Jira