Duy Pham

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Summary

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.

Experience

IEEE RoboCup SSL Software Lead

IEEE Student Branch at UC San Diego
Oct 2018 - Jun 2022 (3 years 9 months)
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 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.

MESA Student Competitor

Mathematics, Engineering, Science Achievement (MESA) program
Aug 2015 - Jun 2018 (2 years 11 months)
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 (placed 2nd nationally)

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

TypeScript • Material-UI • Project Management • Java • React.js • Python (Programming Language) • HTML • Cascading Style Sheets (CSS) • Next.js