

Stephen Doeve

Education

Master of Science, Electrical Engineering

May 2021

- Specializations: Computer Engineering, Communications Engineering

Bachelor of Science

May 2021

- Majors: Mathematics, Electrical Engineering

California State University, Los Angeles (CSULA)

Project Experience

RoboNation RoboSub Autonomous Underwater Vehicle Competition - CSULA

January 2019 - May 2020

- Implemented software and algorithms using Python on embedded systems running Linux

National Science Foundation Program - Universidad Politécnica de Madrid

June - July 2019

- NSF program, International Research Experience for Students in Electrified and Autonomous Transportation
- Developed control code for Digital Signal Processor; enabled use of autonomous braking system development platform

Senior capstone project, Preventing Underground Vault Electrical Explosions - CSULA

August 2018 - May 2019

- Led project designing remote hazardous gas sensor device; sponsored by Southern California Edison

Research assistant - CSULA

May 2018 - May 2019

- Developed control algorithms for campus renewable resources using MATLAB/Simulink; won L.A. Department of Water and Power sponsorship

Work

EMCORE Corporation Intern

July 2020 - September 2020

- Improved documentation and processes for aerospace product line

Biomedical Engineering Society Mentor - CSULA

April 2019 - October 2019

- Performed project preparation and mentorship for students on biomedical engineering projects

United States Air Force, Active Duty, Vehicle Mechanic

2009 - 2013

- Diagnosed and maintained USAF passenger vehicles; performed inspections for civilian vehicles

Involvement

Student Organizations

January 2018 - Present

- Tau Beta Pi engineering honor society; IEEE; ACM

IEEE Cal State LA

2018 - 2019

- Vice President External and University Liaison

The LeaderShape Institute

January 2019

- Leadership training program for student officers

Skills

- Rust, Python, C, C++, Bash, JavaScript, React, SQL, Git