# Stephen Doeve

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## 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

- Skills: Rust, C, C++, Python, Bash, JavaScript, React, Git, SQL
- Keywords: Mastering Bitcoin, Mastering Ethereum, The Rust Programming Language

[github.com/covariant](github.com/covariant)