



# LIAM ROBBINS


Computer Engineering Student

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Los Angeles, CA 

liam-robbins.github.io/ 

github.com/liam-robbins 

## EDUCATION

### Computer Engineering, B.S

University of California, Riverside; 3.92 GPA

09/2017 – Present

#### Courses

- Embedded systems
- Logic Design
- Data Struct. & Algorithms
- Software Construction

## EXPERIENCE

### Research Assistant

University of California, Riverside

04/2019 – Present

Riverside, CA

Autonomous Robots and Control Systems, UCR

#### Achievements/Tasks

- Conducted research focusing on autonomous vehicle navigation and sensing
- Implemented SLAM algorithm in c++ using ROS for environment mapping
- Developed a working turtlebot prototype that could sense, map, and navigate its own space

Contact: Dr. Konstantinos Karydis – [kkarydis@ece.ucr.edu](mailto:kkarydis@ece.ucr.edu)

### Electrical Team Member

Highlander Racing

10/2018 – Present

Riverside, CA

FSAE Team at UCR

#### Achievements/Tasks

- Developed software in c++ using the CAN bus and focusing on electrical subsystem communications
- Designed Front End GUI for the 2019 Electric Vehicle using c++ and QT Creator
- Earned 6th place for UI for EV at 2019 competition in Nebraska

### Information Technology Specialist

Law Offices of Winston Phan

06/2018 – 09/2018

Monterey Park, CA

#### Achievements/Tasks

- Optimized computer network at a small law firm for efficient resource sharing
- Migrated firm data to cloud for data security and redundancy

Contact: Winston Phan – (626) 833-0491

## SKILLS

C/C++

Python

HTML/CSS

Bash Scripting

ROS

Git

AutoCAD

Linux

## PROJECTS

### FSAE Digital Dash

- Display used in UCR's first Electric Vehicle. This vehicle competed in FSAE's most recent competition in Nebraska this past summer.

### AtMalaga

- Developed a working version of Galaga on an atMega 1284 microcontroller.
- This project and others are listed on my personal blog with pictures as well as my GitHub!

### Visit my Personal Website!

- [liam-robbins.github.io/](https://liam-robbins.github.io/)

## ORGANIZATIONS

### Society of Automotive Engineers (10/2018 – Present)

FSAE Electrical subteam member

### IEEE (09/2017 – Present)

IEEE team member

## OTHER EXPERIENCE

### Teacher Assistant, LAUSD (06/2017 – 09/2017)

- Volunteer Teacher Assistant for TRI-C Continuation school, assisting students in danger of not graduating

### Tutor (08/2018 – Present)

Teaching college level physics, mathematics, and Computer Science

### St. Joseph Hospital (08/2019 – Present)

Volunteer at St. Joseph Hospital