





LIAM ROBBINS

Undergraduate Research Assistant

liamincali@gmail.com 

+1 (909) 548-1683 

Chino, United States 

linkedin.com/in/liamrobbins 

github.com/liamincali 

Hardworking and ambitious student with a passion in Computer Engineering

EDUCATION

Computer Engineering

University of California, Riverside; 3.92 GPA

09/2017 – Present

Courses

- Embedded systems
- Computer Architecture
- 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

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 GUI for Highlander Racing 2019 Race car

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

PERSONAL PROJECTS

Embedded Galaga (05/2019 – 07/2019)

- Developed a working version of Galaga on an atMega 1284 microprocessor

Rshell (03/2019 – 06/2019)

- Developed a working bash emulator using C++

ORGANIZATIONS

Formula SAE at UCR (10/2018 – Present)

FSAE Electrical subteam member

IEEE at UCR (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