

LIAM ROBBINS

Computer Engineering Student

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(909) 548 - 1683

Los Angeles, CA

liamr.us

github.com/liam-robbins

EDUCATION

Computer Engineering, B.S

University of California, Riverside; 3.93 GPA

09/2017 – Present

Courses

- Algorithms/Data Struct.
- Machine Learning
- Operating Systems
- Software Construction

EXPERIENCE

Undergraduate Robotics Researcher

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 sensor systems
- Implemented autonomous searching and navigation algorithms using Python in Linux
- Integrated LIDAR and 3D vision sensors to develop a turtlebot prototype that can map its own environment

Contact: Dr. Konstantinos Karydis – kkarydis@ece.ucr.edu

User Interface Engineer

Highlander Racing

10/2018 – Present

Riverside, CA

FSAE Team at UCR

Achievements/Tasks

- Created a Front End user interface for UCR's first ever Electric vehicle
- Used Agile Methodologies (Kanban) to expedite development of software
- Deployed applications for a Linux system in C++, interfacing the CAN Bus with a Raspberry Pi

Information Technology Specialist

Law Offices of Winston Phan

05/2018 – 09/2018

Monterey Park, CA

Achievements/Tasks

- Optimized computer network at a small law firm to increase resource sharing efficiency
- Significantly improved data reliability and redundancy by migrating firm data to cloud

Contact: Winston Phan – (626) 833-0491

SKILLS

C/C++

Python

HTML/CSS

Bash Scripting

Git

AutoCAD

Linux

ROS

CAN Bus

Agile

PROJECTS

FSAE Digital Dash

- Display used in UCR's first Electric Vehicle. This vehicle competed in FSAE's most recent competition in Nebraska in the summer of 2019

Rshell

- Developed a fully functioning bash emulator in C++ using extensive knowledge of CS principles
- This project and other fun projects are listed on my personal blog with pictures as well as my GitHub!

Visit my Personal Website and Blog!

- <http://liamr.us/>

ORGANIZATIONS

Society of Automotive Engineers (10/2018 – Present)

FSAE Electrical subteam member

IEEE (09/2017 – Present)

IEEE team member

OTHER EXPERIENCE

Teacher Assistant, LAUSD (05/2017 – 09/2017)

- Volunteer Teacher Assistant for TRI-C Continuation school. Assisted students that were in danger of not graduating

Tutor (08/2018 – Present)

Courses taught: Intro. to Data Structures/Algorithms, Software Construction

St. Joseph Hospital (09/2019 – Present)

Surgery pre-op volunteer at St. Joseph Hospital