LIAM ROBBINS
Computer Engineering Student

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Los Angeles, CA 📍

liamr.us 🌐

github.com/liam-robbins ⭘

EDUCATION

Computer Engineering, B.S
University of California, Riverside; 3.92 GPA

09/2017 – Present

Courses
- Software Construction
- Operating Systems
- Algorithms & Data Struct.
- Embedded Systems

EXPERIENCE

Undergraduate Robotics Researcher
University of California, Riverside

04/2019 – Present   *Riverside, CA*
Autonomous Robots and Control Systems, UCR

Achievements/Tasks
- Conducting research focusing on autonomous vehicle navigation and sensor systems
- Implemented autonomous searching and mapping algorithms in C++ using ROS
- Developed a working turtlebot prototype that can map an environment using onboard LIDAR and 3D vision sensors

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

User Interface Engineer
Highlander Racing

10/2018 – Present   *Riverside, CA*
FSAE Team at UCR

Achievements/Tasks
- Developing software in C++ using the CAN bus
- Designed Front End GUI for SAE's first Electric Vehicle using C++ and Raspberry Pi

Information Technology Specialist
Law Offices of Winston Phan

05/2018 – 09/2018   *Riverside, 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

Git   AutoCAD   Linux   ROS   CAN

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

AtMalaga
- Developed a working version of Galaga on an atMega 1284 microcontroller.
- 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