LIAM ROBBINS
Computer Engineering Student

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(909) 548 - 1683
Los Angeles, CA
liamincali.github.io/

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

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! ⬈
- liamincali.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