

Aaron Liao

aliao4@uci.edu — [phone redacted] — xenocidel.github.io

EDUCATION **University of California, Irvine** August 2014 – March 2018
Computer Engineering, B.S. **GPA: 3.81**

SKILLS	Hardware	Software / Platforms	Languages
	Arduino	SolidWorks	C/C++
	Xilinx PYNQ	MATLAB / Mathematica	Java + Android API
	3D Printing	Team Foundation Server	Python
	Soldering	Agile	Oracle PL/SQL
	Lab Equipment	PSpice	SystemVerilog

EXPERIENCE **Boeing** June 2017 – Sept 2017
Factory Automation Systems Intern Auburn, WA

- Supported two Java web apps for factory production use and moved them onto Team Foundation Server source and backlog control
- Learned Oracle PL/SQL and wrote scripts to remediate production-impacting errors in factory data monitoring
- Aided in team's transition from Waterfall to Agile software development

June 2016 – Sept 2016

Systems Design and Integration Intern St. Louis, MO

- Supported & maintained compliance for Boeing internal-use servers using VMware tools
- Created new cost savings tracking tool using InfoPath, SharePoint, VBA, and PivotTables
- Decommissioned servers and tracked obsolescence status using Excel and VBA

osu! UCI Sept 2014 – Present
Club President Irvine, CA

- Organized both onsite and online tournaments: coordinated staff duties, headed live stream production and graphic design, secured sponsors and partners
- Wrote Python scripts and modified C# projects using existing open-source frameworks

PROJECTS Autonomous Racecar (Senior Design Project) June 2017 – March 2018

- Programmed an F1/10 autonomous racing vehicle utilizing LIDAR and other sensors on a Nvidia Jetson embedded platform

Rosterize: Discord chat bot (Personal Project) October 2017 –

- An automated roster-making bot that uses a SQLite database
- Forked from an open-source Python repository

Kikei ARM Processor (Team Course Project) January – March 2017

- Compiled, optimized, simulated, and synthesized an ARMv7 processor using SystemVerilog, QuestaSim, and Synopsys

two-K (Personal Project) April 2015

- Modeled, produced, and sold 25 compact keypads using SolidWorks and 3D printers
- Soldered mechanical key switches to Adafruit Trinket, an Arduino-based microcontroller