

Colin Suckow

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Education

Bachelor of Science in Computer Science, Software Engineering
Oregon State University – Cascades, Bend, OR

Graduation: June 2022

Technical Interests & Skills

- Rust
- JavaScript & TypeScript
- Emulator Development
- Android SDK
- Python
- C#
- Git
- Web development
- Java
- Embedded
- C
- AWS Cloud Practitioner Certified

Work Experience

Software Development Intern
Novunex, Bend, OR

September 2020 – June 2021

- Tested and deployed quality management systems to clients
- Wrote new features and user interface flows in internal QMS system involving SQL queries.

Software Engineering Intern,
Sicamore Semi, Bend, OR

December 2019 - March 2020

- Implemented python-based QT UI for tracking semiconductor processing status
- Developed features for and maintained a web-based quality management system
- Designed and built a light indication system prototype using embedded linux and LED light bar.

Software Development Intern
Camp Creative, Bend, OR

June 2019 - December 2019

- Built web applications to test frameworks and services such as React Native and Algolia
- Performed manual testing on an enterprise-level React based web app
- Tested and deployed software to a production web server running on AWS
- Wrote search interface component for production React application

Leadership and Activities

Technology Club President & Member
Oregon State University - Cascades, Bend, OR

September 2018 - Present

- Organized weekly talks and code competitions, among other student events.
- Helped to create a welcoming environment for the student body.

Occasional Engineering Technician

June 2018 – Present

Wattlogix, Bend, OR

- Made decisions on design and wrote an Android application used to communicate with physical peripherals over Bluetooth Low Energy
- Managed and organized an inventory of parts and assembled parts onto circuit boards
- Developed firmware in C for STM32 and MSP430 microcontrollers
- Troubleshoot problems with design and function of circuit boards

Lead Programmer, FIRST Robotics Team

September 2014 - June 2018

Summit High School, Bend, OR

- Oversaw and managed software development process
- Supervised six teammates, tracked progress, and held members accountable for responsibilities
- Designed motor power and control circuits and resolved issues to ensure the proper functioning of the robot
- Collaborated with team during weekly meetings to design components of the robot
- Developed programs using Java to control robot
- Competed in World Championships, 2017 and 2018

Teaching Assistant

September 2016 - June 2018

Summit High School, Bend, OR

- Helped guide students to understand problems and learn beginner programming skills
- Coordinated with teachers to improve computer science curriculum

Robotics Camp Counselor

June 2017 - August 2017

Summit High School Robotics, Bend, OR

- Coordinated activities for up to 15 children, aged seven to eleven, in a summer camp environment for four hours per day
- Taught children foundational skills relating to the design, construction, and programming of robots