Tyler N Scott

Embedded Software Engineer

Personal Info

Location
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LinkedIn
https://www.linkedin.com/in/tylerscottcs

Skills

- Diverse experience in multiple programming languages

- API design knowledge

- Embedded Software Development

- Operating Systems

- Continuous Integration and Deployment

- Git Guru

- UML Diagramming

- Technical Documentation

Top Languages

Python | native
C++ | superior
React | superior
Docker | advanced
PostgreSQL | average

Enthusiastic Embedded Software Engineer with competencies in Python, C++, and JavaScript. Considered talented leader when guiding teams and performing design oriented tasks. Offers 3 years of software development expertise. Very Interested in machine learning opportunities.

Work History

June 2017 - current

Embedded Software Engineer
IMSAR LLC, Springville, UT

- Developed object-oriented software, including sensor command and control software for use in sar/mti data collection.
- Oversaw major new enhancements to existing software systems, especially in system state and mode transitions.
- Refactored/simplified the communications interface and designed json based api for sensor control software.
- Designed a debian package bundler to deploy software onto the sensors.
- Contributed ideas and suggestions in team meetings with project managers and team leads and delivered designs and enhancements.
- Documented the control interface and system state transitions and trained multiple employees.
- Primary developer and support in several additional projects from web based tools to devops and automation.
- Designed a major portion, implemented, refactored, and solo supported the ERP system in use.

April 2016 - Sept 2016

Software Engineering Intern
Instructure Inc. Cottonwood Heights, UT

- Designed and implemented new features in the Gauge quiz application, specifically the Essay question type.
- Assisted development of new features for the gradebook system in Canvas LMS.
- Participated in several coding competitions and developed a standalone rich content editor during a hackweek
- Self taught several new programming languages (ruby, react, docker).

Mar 2015 - April 2016

Assistant System Administrator
BYU-Idaho, Rexburg, ID

- Maintained flexible schedule and responded to after-hours and weekend emergencies.
- Drove continuous improvement of IT documentation and processes resulting in a more cohesive department and faster onboarding.
- Displayed stewardship over 2 data centers.

Education

Sept 2010 - May 2011

Bachelor of Science: Computer Science
BYU-Idaho, Rexburg, ID

- Deferred 2 years to serve a volunteer service mission for his church.

May 2013 - April 2017

- Completed extra Computer Engineering courses, which is where he developed my love of Embedded Systems.