

Tyler N Scott

Embedded Software
Engineer

Personal Info

Location
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Skills

- Advanced knowledge of C/C++, Python, Django, ReactJS
- 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 2017 -
June 2017

Freelance Programmer

Self-Employed, Littleton, CO

- Designed new mobile app (incomplete)
- Self taught React-Native

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

- Standardized job tasks and trained junior team members on industry best practices and standards.
- 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

- I took 2 years off to serve a volunteer service mission for my church.
- I completed extra Computer Engineering courses which is where I developed my love of Embedded Systems.

May 2013 -
April 2017