ALISHA FOXALL

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Fourth Year Computer Engineering Student - Fearless problem solver and fast learner with a 4.0 GPA and three years of software development experience in C#, Java, Python and more

Related Skills and Experience

Software Intern (Code Champion), Microsoft Garage, May - August 2017 – Vancouver

- Worked on an all-intern team to develop a mobile app using Xamarin iOS
- As code champion, was responsible for code quality, architecture, PRs and compliance
- Full-stack development - wrote large amounts of C# on both server (Azure) and client
- Learned about SDL, Agile development and team dynamics as we built our app from the ground up
- Contributed to the development of a machine learning model for predicting bus crowdedness

Java Software Developer Co-Op, Trend Micro (Deep Security), May – Sept 2016 – Ottawa

- Worked with the DevOps team to improve CI infrastructure, develop and monitor the AWS SaaS
- Java development: delivered several features and bug fixes, including a password expiry feature needed for PCI
- Created and configured Jenkins pipelines and Chef cookbooks to improve the build environment
- Effectively collaborated across multi-disciplinary teams, time zones and language barriers in an Agile environment
- Scripted in Ruby, Groovy, Shell and Python to solve diverse problems in the Linux build machines and VMs

Software Team Manager, Queen's Mostly Autonomous Sailboat Team, 2016 – 2017 – Kingston

- C/C++ development for automated sailboats running on Arduinos
- Created control systems for rigging and rollover prevention
- Debugged and reduced technical debt in the code base

Research Student, Queen's Reactor Materials Testing Laboratory, May 2015- April 2016 – Kingston

- Wrote NI Labview software for sample holder interfacing, controls and data acquisition
- Worked both independently and in a diverse team, adapting to new problems and self-teaching

Tutoring, 2012 - Present

- Share my passion for math, science and engineering by tutoring and helping classmates
- Currently work as a tutor for Englinks, a faculty-sponsored tutor service
- Improve communication skills by listening to students' issues and understanding of a topic

Education

Bachelor of Science Candidate in Computer Engineering '18, Queen's University

Relevant Courses:

- **Fund. Of Soft Dev – Team Manager** Management of software projects in C++
- **Performance Analysis** – Soft. Performance Eng.
- **Comp. Sys. Architecture** – ILP, TLP, GPUs, Caching
- **Neural Nets and Genetic Programming**
- **Databases**
- **Data Mining (Fall 2017)**
- **Software Requirements (Winter 2018)**
- **Compilers (Winter 2018)**