

# 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*

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## Related Skills and Experience

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

- ✚ Worked on an all-intern team to develop a mobile app using Xamarin iOS and .NET
- ✚ 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), Ottawa, May – Sept 2016*

- ✚ 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, Chef cookbooks and an ELK stack 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, 2014 – 2017*

- ✚ 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*

- ✚ 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

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

#### *Relevant Courses:*

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| ✚ <b>Fund. Of Soft Dev – Team Manager</b> Management of a major software project in C++ | ✚ <b>Databases</b> – MySQL, schema design, PHP project |
| ✚ <b>Performance Analysis</b> – Soft. Performance Eng.                                  | ✚ <b>Data Mining (Fall 2017)</b>                       |
| ✚ <b>Comp. Sys. Architecture</b> – ILP, TLP, GPUs, Caching                              | ✚ <b>Software Requirements (Winter 2018)</b>           |
| ✚ <b>Neural Nets and Genetic Programming</b>  | ✚ <b>Compilers (Winter 2018)</b>                       |