# ALISHA FOXALL

alisha.foxall@queensu.ca | 613-286-0658

*Third Year Computer Engineering Student - Fearless problem solver and fast learner with a 4.0 GPA and two years of software development experience.*

## Related Skills and Experience

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

- Worked with the DevOps team to improve CI infrastructure, develop and monitor the **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
- Quickly learned and adapted to problems, refusing to turn anything down and usually delivering above expectations

### *Software Team Manager, Queen's Mostly Autonomous Sailboat Team, 2014 - present*

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

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

- Wrote NI Labview software for sample holder interfacing, controls and data acquisition
- Implemented PID–based controls for safety-critical high-energy proton beam system
- Worked both independently and in a diverse team, adapting to new problems and **self-teaching**

### Tutoring, 2012 - present

- Sharing my passion for math, science and engineering by tutoring and helping classmates
- Currently work as a tutor for Englinks, a faculty-sponsored tutor service
- Developed and continue to improve **communication** skills

## Education

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

*Relevant Courses:*

- **Fund. Of Soft Dev (Fall 2016)** Management of software projects, advanced programming in C++
- **Microprocessor Interfacing and Embedded Systems (Fall 2016)**
- **Operating Systems (Fall 2016)** Kernel programming in C.
- **Algorithms (Fall 2016)**
- **Neural and Genetic Computing (Fall 2016)** Concepts such as classification networks and genetic algorithms, with an emphasis on implementation
- **Digital Systems Engineering (Winter 2017)**
- **Software Specifications (Winter 2017)**
- **Computer Networks (Winter 2017)**