

# Brianna Leung

2<sup>nd</sup> Year Electrical Engineering Student | b27leung@edu.uwaterloo.ca  
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## Skills

### Languages

Java	Linux
C++	HTML/CSS
Python	VHDL
Bash	

### Tools

Eclipse	Burp Suite
WebStorm	Apache
Git/SVN	Tomcat
Robot Framework	unittest

### Frameworks

Bootstrap  
Angular 5

## Education

### University of Waterloo

Electrical Engineering  
Waterloo, ON

### Relevant Courses

ECE150: *Fundamentals of Programming*  
  
ECE 124: *Digital Circuits and Systems*  
  
ECE 250: *Algorithms and Data Structures*

## Experience

### Development Engineer

Sep 2018 – Dec 2018

Points International Ltd. | Toronto, ON

- Constructed configurations connecting internal systems and major third-party partner loyalty programs including Aeroplan, Alaska Airlines & Hyatt using Javascript, JSON & XML
- Created UAT, simulator and live tests for each configuration validating essential functionalities using Robot Framework & Python
- Built a Python application to automate the translation and migration process for future partner migrations
- Operated in an Agile environment with bi-weekly sprints and daily meetings to ensure effective communication amongst the team

### Software Developer

Jan 2018 – Apr 2018

OpenText Corporation – Business Network | Richmond Hill, ON

- Conducted security scans using Burp Suite Pro on cURL requests on web services & generated reports to highlight potential security issues
- Designed Selenium scripts to run automated security scans on web service
- Implemented alert system for efficient debugging & troubleshooting on web applications using Java, C++ & Apache Tomcat specifying errors & severity
- Migrated servers to upgraded web-hosting service ensuring accurate configurations

## Projects

### Marmosad

Feb 2018 – Apr 2018

<http://marmosad.me/> | Cards Against Humanity Spin-off

- Created frontend using Angular framework for a clean and user-friendly UI
- Integrated Angular with node.js for the backend with socket.IO for client-server interaction

### Personal Website

Apr 2018 – May 2018

<https://briannaleung.github.io/> | An Introduction & Current Projects

- Created a minimalistic website highlighting projects using HTML, CSS & Javascript hosted on GitHub Pages
- Implemented anime.js for animated click & particles.js for background animation