

WORK EXPERIENCE

BDO Solutions

Software
Consultant
Winter 2016

- Developed features such as, dynamically populating email templates based on the application status.
- stuff here

DBRS

Software Engineer
Spring 2015

- Developed features for credit rating analysts using C# and Angular.
- Verified and migrated databases from Oracle to SQL Server and, re-mapped 1000 mismatched entries
- Implemented Excel plug-in to accelerate the process of analyzing ratings and uploading them.

Knowroaming

Web Developer
Fall 2014

- **Testr** - Created a browser testing GUI using JavaFX and Selenium to quickly create automated test suites, increasing end to end and unit test coverage by 80%
- Lead the development of [mobile website](#) using PHP, jQuery and Java, which was used directly by the customers.

Maple Leaf Foods

Security Analyst
Winter 2014

- Analysed and identified malicious bugs across the network, got introduced to security, networking and protocols.
- Found a worm using IronPort which would multiply itself and would send over 35,000+ malicious emails during weekend.

RECENT PROJECTS

Calfit

Feb - March 2016

- Chrome notifications triggered when an employee deserves a break.
- Used Node, Google Cloud Messaging, and chrome extension.
- Deployed it on Microsoft Azure and, created the [promotional video](#).

Sugar Nanny

Jan 2016

- 'Top 10', 'Best Life-saving app' and 'Best use of AWS' at UoT Hacks
- Created front-end features in Angular that track sugar-level, and provides insulin recommendation based on food intake.

Pebblepsy

Sept 2015

- 'Best Pebble App' at Hack the North by developing a nocturnal epilepsy tracker and prevention application.
- Built an Android platform where the data is instantly uploaded to web, recording and visualizing the seizure-like incidents.
- Featured On : [Hacker News](#), [Challenge Post](#), [Med Gadgets](#)

Path Follower

Sept - Dec 2015

- Configured, tested sensors, and programmed microcontroller creating a path following robot.
- Tested each component using oscilloscope, signal generator and power supply.

Potentiometer

March 2015

- Calibrated an infrared sensor output using Arduino, C and Python to fit a curve to predict the distance from an object with 0.15 cm accuracy

Music Notes

November 2015

- Used frequency analysis to transcribe classical piano pieces into sheet music using MATLAB.
- Resynthesised the notes clip and used statistical methods to determine accuracy.

SKILLS

Languages:

Java, C#, C++, C, Python, MATLAB

Web:

jQuery, Angular, Node.js, Express React, PHP, D3.js

Testing:

Chai, Mocha, Selenium

Database:

Redis, MySQL, MongoDB

Other:

Powershell, Microsoft Azure, IBM Bluemix, AWS, IBM Watson (AI)

EDUCATION

University of Waterloo

3A Mechatronics Engineering
Graduating May, 2018

LEADERSHIP

Presentor at BDO

Informed 30+ audience on neural networks, deep machine learning and advanced machine learning.

Networking Director

Led the organization and marketing of a student-alumni networking event, boosting attendance by 250%.

Residence Ambassador

Encouraged high school students to join Waterloo by giving guided residence and campus tours

For the complete list of projects, please visit my [portfolio](#) or [website](#).