

SKILLS

Languages:
Java (2+ yrs) • C/C++ (2+ yrs)
Python • C# • HTML/CSS •
JavaScript • Bash
Tools:
Git • FB tools • Bootstrap
Dev Environments:
Visual Studio • Xamarin • NetBeans
OS:
Windows • Linux
Hardware:
Arduino • Teensy
CAD:
AutoCAD • SolidWorks

EDUCATION

University of Waterloo
Mechatronics Engineering
Bachelor of Applied Science
2016 - 2021 (expected)

COURSEWORK

Data Structures and Algorithms
Circuits
Engineering Graphics and Design
Digital Computation

INTERESTS

UW Robotics
Student Design Team
WATonomous (autonomous car)
Student Design Team
Hockey
7 years houseleague/intramurals
Piano
Gr 8 Royal Conservatory of Music

LEADERSHIP

Director of Media & Communications
CastleStone
Ottawa, ON | May '15 – Jun '16

- Appointed position, responsible for all public relations including sponsors, public & media, collaborated with executive team
- Lead media campaign garnering 1000+ likes, interviewed by 580 CFRA, organization featured on CTV Ottawa

WORK EXPERIENCE

IBM | Cloud Concierge Specialist
Ottawa, ON | Jan '17 – Apr '17

- Supported the IBM Cloud Concierge platform, used by 3000+ IBM employees and business partners worldwide, within a six-member global team, taking on over 60% of all user inquiries
- Troubleshoot connection and other VM issues associated with Linux and Windows VM instances
- Resolved user issues with various IBM assets including BA Enterprise and FOPM Planning Analytics
- Identified and helped implement automation and improvements to user experience of Cloud Concierge, including the investigation of reported issues with the platform on front end and within code
- Created support documentation for public users published on Cloud Concierge addressing common inquiries regarding the platform and issues with provisioned virtual machines

CIENA | IT Technician Intern
Ottawa, ON | Aug '15

- Serviced entire Ottawa office (1000+ employees) in improving Windows workstations through tests and optimizations, reimaging of equipment, and installing RAM
- Set up over 50 Linux workstations for employees by replacing internal components and installing new operating systems via network
- Lead customer service relations with employees during process of computer maintenance
- Developed baselines showing performance of systems before and after enhancement

PROJECTS

OneSocial | C#, Xamarin
Ongoing

- Android app allowing users to share their social media credentials with others in just a tap

Facebook Event Manager | Python, HTML, Javascript, Facebook Graph API
Ongoing

- Chrome extension that allows users to view and manage their Facebook events

Automated Cashier (Term Final Project) | C++

- Developed an autonomous robot to sort coins and provide required amount of change
- Programmed functions regarding coin recognition and change calculation using C++
- Prototyped the robot model, involving 3D CAD designing and machining of various parts

Driving Music Player | C++, Teensy

- Within team of four, designed, programmed, and built robot using C++ Teensy microcontroller and self machining/prototyping chassis
- Followed grayscale strip converting shades to tones using light sensors at varying speeds
- Robot won 2nd place at UW Robotics Team First-Year Competition

Receipt Relief (EngHack 2017) | Java, Google Vision API

- Java application able to scan receipts using the phone's camera, extract useful information, and store this data within the app

Regional Youth Leader
Canadian Cancer Society
Ottawa, ON | Sept '14 – June '16

- Founder & Head of school chapter, collaborated with regional office in implementing school & city-wide initiatives, appointed to organization's provincial youth advisory board