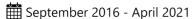
BEN MAZEROLLE





EDUCATION

Bachelor of Software Engineering **University of Victoria**



Victoria, BC

GPA: 8.20

COMPETENCIES

Programming: C, Java, Python, C++, Ruby

Web Development: Bootstrap, JavaScript, Ruby on rails

Test Development and Managment:

Unit and Stress test procedure creation and execution for mobile apps and web apps

Automated Testing and Trawling:

Selenium, BeautifulSoup, Robobrowser, Insomnia

Design: Adobe Photoshop, Illustrator, and XD, inVision, Balsamiq, Solidworks

Engineering Tools: Microsoft Office Suite, Google Suite, Github, Gitlab, Asana, Testrail, Syspro, and Google collaboration applications

Operating Systems: Development using FreeRTOS

Hardware: TI Hercules Safety MCUs, RasPi, Atmel ATMEGA2560

ORGANIZATIONS

Student Member **EGBC**

September 2016 - Present

MOST PROUD OF

Losing 60lbs and my status as obese

August 2014

T.S. McPherson Entrance Scholarship

May 2016

Winning the UVic Engineering Solar **Energy Infrastructure design competition**

December 2016

2nd Place - Canadian Satellite Design Challenge

July 2018

EXPERIENCE

ADCS Software Developer Co-op **UVic Center for Aerospace Research**

September 2018 - December 2018

Victoria, BC

• Developed mathematical libraries, orbital propagator, and control system for ORCASat Cube Satellite

♥ Victoria, BC

- Developed an operating system using FreeRTOS to implement the developed libraries and control system
- Ran speed benchmark tests to maximize code efficiency
- All software developed for space-constained (1.25MB) hardware

QA Analyst Co-op **Reliable Controls Corporation**

January 2018 - April 2018

Victoria, BC

- · Wrote and executed unit tests for the myControl building control app
- Wrote and executed unit tests for RC-WebView. a building control web app
- Designed and executed a company-wide Functional Stress Test for the myControl app

PROJECTS

myStyle

Nerual Network Outfit Generation App

- iOS and Android app that suggests daily outfits by considering user preferences and wardrobe
- Designed UI in inVision for School Project (98%)
- Currently developing Python Neural Network and Amazon Rekognition backend

SneakerBot **Online Item Auto-Checkout Bot**

- Python program designed to purchase limited sneakers online as quickly as possible
- Currently expanding to purchase limited event tickets

HowMuchIsMyTrip (In Development) **Online Vacation Cost Calculator**

· Calculates cost of travel, accomodation, activities, and other costs and recommends purchase locations (Expedia, Gas station locations)