BEN MAZEROLLE

 Victoria, BC

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EDUCATION

Bachelor of Software Engineering
University of Victoria

 September 2016 - April 2021   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

- 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)