

Overview

- Languages: Python, Java, JavaScript/Node.js
- Frameworks & Libraries: Ruby/Rails, AngularJS, Ionic mobile framework, Flask
- Familiar Technologies: Amazon AWS, Digital Ocean, Linux/Unix, Nginx, Version control (Git)
- Software Packages: RapidMiner, Matlab, Arduino, Eclipse, Photoshop
- Quick Learner: Enjoy learning and picking up new technologies and frameworks

Work Experience

IBM Canada

Summer 2016

Intern – Centre for Advanced Studies

- Worked within the Centre for Advanced Studies (CAS), a division that collaborates with University researchers using IBM systems.
- Involved with various projects including the CAS internal application built with Node/Angular/Java.

Queen's University School of Computing

Sept 2015 – Present

Teaching Assistant – CISC124 and CISC220

- Assisted in course administration and instruction for CISC220 a systems level programming course and CISC124 an introduction to Java and object-oriented programming course.
- Duties included running weekly laboratories, marking assignments and tests, and running review sessions.

TD Canada Trust Bank – Web Standards

Summer 2014

Web Developer

- Worked as a developer in both individual and team environments.
- Responsible for creating prototypes and documentation. I garnered strong teamwork skills and gained experience with common development techniques.

Projects

Domu Housing Application – github.com/mitchvoll/housing_app – www.domu.ca

- Student housing marketplace created to consolidate the scattered listings and allow students to easily post sublets.
- Application built on a Ruby/Rails stack.

NeuroDriver – 2D autonomous driving through neuroevolution - github.com/mitchvoll/NeuroEvolutionDriver

- Driving model will learn to navigate a 2-dimensional track and over time converge on a path that yields the optimal lap time.
- Model built using a perceptron neural network optimized through a genetic algorithm.
- Originally developed for my CISC452 Neural Networks class final.

Winston Student Finance – MLH QHacks Hackathon 2016 (fintech hack winner)

- Winston allows recent grads to manage student loans and all other debt obligations in a simple web app.
- Build on a Meteor/Node.js/MongoDB backend with a React frontend.

Education

Queen's University

Kingston, ON
April 2017(expected)

Bachelor of Computing (Honours) – Computer Science

Coursework highlights:

- Data Mining and Machine Learning
- Neural Networks/Genetic Algorithms
- Computer Graphics
- Formal Methods (Model-based Testing)
- Operating Systems
- Software Architecture
- Algorithms/Data Structures
- Digital Systems