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MITCH VOLLEBREGT

Overview

- Languages: Ruby, Python, Java, JavaScript/Node.js
- Frameworks & Libraries: Ruby/Rails, React, Redux, Flask
- Familiar Technologies: Amazon AWS, Digital Ocean, Linux/Unix, Nginx, Version control (Git)
- Quick Learner: Enjoy learning and picking up new technologies and frameworks. Strong interest in machine learning and AI.

Work Experience

YUHU

April 2017 – Present

Full Stack Developer

- Helped build upon and evolve the original codebase using Ruby/Rails, React, Redux, and AWS
- Designed and implemented full features, RESTful APIs, and integrations.
- Involved in shaping the development process and helped instil best practices that produce high quality code through code reviews, CI, linting, and TDD.

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 – May 2016

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.

Projects

NeuroDriver – 2D autonomous driving through neuroevolution -

github.com/mitchvoll/NeuroEvolutionDriver

- Uses a combination of genetic algorithms and neural networks to train a 2d car to navigate autonomously through a racetrack with respect to the optimal racing line.
- Model built using a perceptron neural network optimized through a genetic algorithm.

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.

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.

Education

Kingston, ON

Queen's University

April 2017

Bachelor of Computing (Honours) – Computer Science

Coursework highlights:

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