

Isaac Meadowcroft

U2 McGill Computer Science

Contact Info



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linkedin.com/in/isaac-meadowcroft-grijalva

Projects



Website

isaacmeadowcroft.github.io/site



McFitt

devpost.com/software/mcfitt



GitHub

github.com/IsaacMeadowcroft

Work Experience



2020 (Summer)

Ericsson Backend Software Engineer Intern

- Orchestrated zero downtime database upgrade using logical replication
- Fixed Java logical errors in Customer Support web application backend
- Increased security by adding vulnerability scan to Jenkins pipeline
- Wrote Bash, Batch, Python and Ansible Playbook scripts



2020 - Present

McGill Computer Science Teaching Assistant

- Intro to Computer Science T.A.-ship, supervised by Prof. Giulia Alberini
- Held weekly office hours discussing Big O notation and time complexity
- Created quiz questions and corrected exams



2019 - Present

McGill Student Researcher

- Worked in Professor Joseph Vybihal's lab as part of his Drone Swarm project
- Constructed an Arduino Nano drone and programmed it to avoid objects

Skills

Coding: Java, C, Python, SQL, Bash, OCaml, Groovy, MATLAB, MIPS

Web Development: JavaScript, HTML, CSS, JQuery, AngularJS

Software Tools: Git, Jenkins, JUnit, Gerrit, Makefile, Gprof

Experienced with: Linux, MacOS, Windows Operating Systems

Skilled with Databases: PostgreSQL, MongoDB, EDB Postgres

Strong Grasp of: OOP, Encapsulation, Inheritance

Education



McGill University (2018 - 2021)

B.Sc. in Honours Computer Science, GPA : 3.73 / 4.00



Marianopolis CEGEP (2016 - 2018)

Pure and Applied Science DEC, R score : 35