

ISAAC MEADOWCROFT

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EXPERIENCE



Microsoft

Vancouver, BC

Garage Developer Intern

May 2021 - Present

- Implemented new Microsoft Teams for Life feature on desktop enabling chat users to view/share live location
- Created React/TypeScript components for dynamic sidebar and used the Azure Maps API to create map view
- Learnt how to manage ambiguity and adapt when thrown into a legacy code base with millions of lines of code
- Applied Agile methodology to the development cycle and adapted to changes in consumer/stakeholder needs



Ericsson

Montreal, QC

Backend Developer Intern

May - August, 2020

- Implemented zero-downtime solution for upgrading from Postgres 9 to 12 using EDB Replication Server
- Integrated Jenkins pipeline with Bitbucket, SonarQube static analysis and JFrog Xray vulnerability scan
- Fixed MongoDB database query bug in Java-based customer support web application backend
- Debugged the Rest API of a customer support web application using Postman



McGill

Montreal, QC

CS Teaching Assistant

January 2020 - Present

- Awarded a Teaching Assistantship for *Intro to Computer Science*, supervised by Prof. Giulia Alberini
- Held weekly office hours discussing Big O notation, data structures, and Object Oriented Programming
- Wrote quiz questions, held tutorials, graded code demos, and answered discussion board questions

EDUCATION



McGill University

August 2018 - Present

- Bachelor of Science in Honours Computer Science (Dean's Honour List) **GPA: 3.83 / 4.00**
- 2020-2021 Mr. Keung and Mrs. Bing Memorial Scholarship (\$1970)
- 2020-2021 MES Excellence Bursary for Computer Science (\$1000)
- 2020-2021 Wing Hing Chan Scholarship in Science (\$500)



Marianopolis College

August 2016 - June 2018

- Pure and Applied Science DEC **R-Score: 36**
- Dean's List (2016-2018)

PROJECTS



Mini Ear Trainer

<https://bit.ly/3ywJ49U>

- Created a Python ear training app that allows users to train their ears using a piano GUI
- Used tkinter module for GUI, _thread module for threading, and wave module to trim/concatenate .wav files



Website

<https://bit.ly/3fb4Hos>

- Designed and developed a personal portfolio website
- Coded in HTML, CSS, JavaScript, and JQuery



McFit

<https://bit.ly/2RF6aKS>

- Created a nutrition/health app to help McGill University students live healthier lives
- Estimated calorie expenditure using Nutrionix API and hosted site using Digital Ocean



Resume

<https://bit.ly/3rjdCc2>

- Designed and developed my resume
- Coded in HTML and CSS

SKILLS

- Languages: Java, Python, C, SQL, Bash, OCaml, MATLAB, MIPS
- Web Development: JavaScript, React, HTML, CSS, JQuery, AngularJS
- Software Tools: Git, Jenkins, JUnit, Gerrit, Makefile, Gprof
- Databases: PostgreSQL, MongoDB, EDB Postgres
- Operating Systems: Windows, Linux, MacOS
- Software Management: Azure DevOps, Confluence