




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
 - Learned how to manage ambiguity 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 Honors Computer Science (Dean's Honor 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