










ISAAC MEADOWCROFT



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EXPERIENCE

 Meta Seattle, WA Software Engineer April 2022 - present	<ul style="list-style-type: none">• Oversaw the complete lifecycle of bringing new in-call experiences to Messenger iOS and Android• Conducted large-scale UI experiments to analyze user-impact of different features and designs• Improved code-quality by pushing for more end-to-end testing and spearheading extensive code refactoring• Worked extensively with Meta's bleeding-egde internal server-driven product development framework
 Microsoft Vancouver, BC Garage Developer Intern May 2021 - Aug 2021	<ul style="list-style-type: none">• 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 2020 - Aug 2020	<ul style="list-style-type: none">• 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 Jan 2020 - Dec 2021	<ul style="list-style-type: none">• Awarded a Teaching Assistantship for <i>Intro to Computer Science</i>, 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 Aug 2018 - Dec 2021	<ul style="list-style-type: none">• B.Sc. in Honors Computer Science (Dean's Honor List, First-Class Honors)• 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)	GPA: 3.85 / 4.00
 Marianopolis College Aug 2016 - June 2018	<ul style="list-style-type: none">• Pure and Applied Science DEC• Dean's List (2016-2018)	R-Score: 36

PROJECTS

 Art Store https://bit.ly/3yYKeLO	<ul style="list-style-type: none">• Working progress art store which gets shop items from MongoDB Atlas database• Built using NodeJS, ExpressJS, React, TypeScript, Bootstrap, and backend hosted on Heroku
 Mini Ear Trainer https://bit.ly/3ywJ49U	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Designed and developed a personal portfolio website• Coded in HTML, CSS, JavaScript, and JQuery, and hosted on GitHub Pages
 Resume https://bit.ly/3rjdCc2	<ul style="list-style-type: none">• Designed and developed my resume• Coded in HTML and CSS

SKILLS

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| <ul style="list-style-type: none">• Languages: Java, Python, C, PHP, SQL, Bash, OCaml, MATLAB, MIPS• Web Development: JavaScript, React, HTML, CSS, JQuery, AngularJS• Software Tools: Git, Jenkins, JUnit, Gerrit, Makefile, Gprof | <ul style="list-style-type: none">• Databases: PostgreSQL, MongoDB, EDB Postgres• Operating Systems: Windows, Linux, MacOS• Software Management: Azure DevOps, Confluence |
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