

Matthew Chow

Computer Engineering Co-op Student

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Languages	Java C/C++(Current) JavaScript(Current) ReactJS(Current) HTML/CSS
Tools	Git Github JUnit IntelliJ VSCode
Projects	<div><div>FOEX nwHacks2020 (Wolfram Award Top 35/145) January 2020</div><ul style="list-style-type: none">Engineered an Android application that reduces food waste by capturing an image of produce and logging an estimated expiry dateComposed with the Azure Computer Vision API to analyze an image's colour informationJava, Microsoft Azure Computer Vision API, Android Studio</div> <div><div>WikiMediator Server CPEN 221 December 2019</div><ul style="list-style-type: none">Constructed a server application that utilizes the jwiki API to handle Wikipedia requestsIntegrated multithreading to handle multiple clients and verified correctness with unit, and regression testingJava, jwiki API, JUnit</div> <div><div>Personal Website Self Directed December 2019</div><ul style="list-style-type: none">Built a portfolio website that dynamically reorganizes content for optimal user experienceHTML, CSS, Bootstrap</div> <div><div>UBCNav UBC Local Hack Day November 2019</div><ul style="list-style-type: none">Developed an Android application to create a central hub for UBC students to locate places to eat, study, and other various servicesIntegrated the Google Maps API to adapt routes for people with physical impairmentJava, Google Maps API, Google Maps Android SDK, Android Studio</div>
Experience	<div><div>Software Developer September 2019 - Present</div><div>UBC Solar Vancouver, BC</div><ul style="list-style-type: none">Designed and deployed a web app to display the telemetry data of a solar-powered carUtilized HTML, CSS, and JavaScript to create a frontend that prioritizes the delivery of data to the user and is scalable for all screen sizes</div> <div><div>Electronics Mechanical Cable Assembler June 2019 - August 2019</div><div>IMS Calgary, AB</div><ul style="list-style-type: none">Assembled electronic components such as PCBs and an air purification device in accordance to detailed manufacturing instructionsDirected assembly of 10 train control modules within a two week time constraint</div>
Education	<div><div>University of British Columbia Bachelor of Applied Science, Computer Engineering</div><div>Expected May 2023</div><ul style="list-style-type: none">GPA: A-Relevant Courses: Introduction to Computation in Engineering Design, Principles of Software Construction, Data Structures and Algorithms (Current)</div>