

Austin Chang

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HIGHLIGHTS & QUALIFICATIONS

- Fourth year Combined Major in Science (CMS) student with strong focus in Computer Science
- Proficient with Java, C, C++, SQL, Microsoft Office Suite, and currently learning the principles of Python, HTML, and CSS

Languages: Java, C++, C, Python, HTML, CSS, JavaScript

Front End:

Back End:

Dev Ops:

- Strong knowledge of object-oriented design programming through successful completion of relevant academic courses and previous Co-op terms
- A hard-working and organized individual with strong team building skills as developed through many years of work and volunteer experiences in different team environments

EDUCATION

Bachelor of Science – Combined Major in Science

Expected Graduation: May 2022

Discipline Focus: Chemistry, Computer Science, and Life Sciences

University of British Columbia, Vancouver, BC

TECHNICAL PROJECTS

Google Play Store Application Rating

- Given a dataset of 10 000 Google Play Store applications, I individually designed and implemented a machine learning model that can predict the rating of an app
- Demonstrates data cleaning, feature extraction, and unsupervised learning
- Debugged and tested the model to ensure functionality

Computer Science 304- Introduction to Relational Databases:

- In a team of two, we assembled a sports team database application that illustrates ER models, logical database design, and formal relational query languages
- Designed and implemented functionalities in a front-end website that manipulates the database
- Populated the database application with a SQL script

WORK EXPERIENCE

Software Test Engineer

May 2021 – December 2021

Change Healthcare, Richmond, BC

- Implemented a new standalone, configurable tool written in C++ to recreate the workflow of an existing API to measure how well different storage vendors can perform using the company's product
- Updated an existing tool in Objective-C to drastically improve performance time by altering the logic in the code
- Manually tested backend services through Microsoft Test Manager and Azure DevOps to ensure high quality software products

Associate QA Test Developer

September 2019 – April 2020

Absolute Software Corporation, Vancouver, BC

- Tested the new Absolute product through load and automation testing, manual testing, and adeptly finding problems and documenting them in well-written reports
- Maintained and improved the Automation framework by developing robust functional and performance tests
- Thrived working under the Agile software development cycle by becoming more familiar with SDLC software such as Jenkins, Git, JIRA, and Wiki/Confluence

Food Bank Assistant Coordinator

May 2020 – April 2021

Alma Mater Society UBC, Vancouver, BC

- Represent the Food Bank in collaborative efforts with other organizations on campus (i.e., UBC Farm, UBC Save-on-Foods) by cultivating relationships that help operate a successful service
- Ensure that the Food Bank is staffed with knowledgeable volunteers by contributing to an extensive training and hiring campaign
- Manage the Food Bank's supply of food by arranging shipments of food from donors and grocery stores to serve to clients weekly on Monday and Thursday

VOLUNTEER EXPERIENCE

Advisor

May 2020 – Present

President

May 2019 – May 2020

External and Internal Relations Executive

October 2017 – April 2019

Combined Major in Science Student Association, Vancouver, BC

- Liaise with clubs within and outside UBC by building partnerships with a variety of stakeholders and maintaining beneficial relationships with them
- Organized multiple successful events, including CMSSA's largest event to date, by delegating tasks to committee members and ensuring that all logistics were managed

Foot Patroller

August 2018 – Present

Chinese Community Policing Centre, Vancouver, BC

- Patrol Chinatown Vancouver to deter crime and input statistics for ICBC through meticulous attention to detail of surroundings
- Educating locals on new crime prevention strategies and facilitating positive interactions between the police and the community