

Chrysen Park

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SKILLS

Java
Python
JavaScript
SQL
AWS
REST APIs
Spring Boot
React.js
Html, CSS

EDUCATION

**UNIVERSITY OF
BRITISH COLUMBIA**
Integration of
Computer Science and
Environmental Science, B.Sc
Class of 2020
Vancouver, BC

COURSEWORK

Advanced Software Construction
Algorithms and Data Structures
Advanced Relational Databases
Intelligent Systems
Machine Learning and Data Mining
Computer Graphics
Sustainable Energy Policies
Energy, Environment, and Society

EXTRACURRICULAR

NW Hackathon Top 20
Local Hack Day
Internapalooza 2020
Vice President of Environmental
Science Students Association

EXPERIENCE

SOFTWARE DEVELOPER | LIFE SCIENCES INSTITUTE

September 2019 - May 2020 | Vancouver, BC

- Redesigned existing Python scripts to be more efficient and readable by eliminating unessential operations, declaring variables correctly and adding descriptive comments throughout the code
- Piloted the deployment of a new data management system that used Python, PostgreSQL, and a Linux operating system to fix lost data issues

RESEARCH SOFTWARE ENGINEER | INSTITUTE FOR RESOURCES, ENVIRONMENT AND SUSTAINABILITY

May 2019 - September 2019 | Vancouver, BC

- Developed an interactive mapping application that enhances the visualization of specific types of air pollution in Canada
- Effectively utilized online documentation to self-learn R within two weeks to meet strict project deadlines
- Collaborated with professors and researchers weekly to meet project goals

TEACHING ASSISTANT | UBC COMPUTER SCIENCE DEPARTMENT

September 2018 - January 2020 | Vancouver, BC

- Led labs of 30+ students weekly and communicated regularly with them throughout the week to answer questions
- Held office hours to assist students while solidifying my own debugging skills in the process

PROJECTS

THE JAR BAR JAVA, SPRING BOOT, REACT.JS, AWS

2020 - 2021

- **www.thejarbar.app** (Log in using Username: Demo, Password: demo)
- Built an interface where users can create their own accounts and create money jars which then can be renamed, donated to, withdrawn from or shared with other users
- Created a REST API integrated with a SQL database on AWS to store and receive calls from the frontend

HIPHOP-LANG PYTHON

2019-2020

- Created an image processing DSL (Domain specific language) that can execute image transformations such as blur, dilate, outline, and crop given a typed out command (Ex. "Blur Cat.jpeg")

TRANSIT TRACKER JAVA

2018-2019

- Programmed a public transit application that kept track of bus locations, times, stops, routes and the user's current location
- Parsed through online JSON data files to collect the needed information on each bus