Chrysen Park

jchrysenpark@gmail.com | 267-934-3454 | Dual Citizenship: USA and Canada
jchrysenpark.com | Github | Linkedin | thejarbar.app | Philadelphia, PA | Vancouver, BC

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
2015 - 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

JUNIOR SOFTWARE DEVELOPER | LIFE SCIENCES INSTITUTE
September 2019 - May 2020 | Vancouver, BC

- Worked with a team to redesign existing Python scripts to be more efficient and systematic using workflow libraries
- Led the data collection and deployment of a data management system called OpenBis using Python, PostgreSQL, and a Linux operating system

RESEARCH SOFTWARE ENGINEER | INSTITUTE FOR RESOURCES, ENVIRONMENT AND SUSTAINABILITY
May 2019 - September 2019 | Vancouver, BC

- Implemented an interactive mapping application that enhanced the visualization of specific types of air pollution in Canada
- Prepared the application to be demoed at conferences
- Effectively utilized online documentation to self-learn R within two weeks

TEACHING ASSISTANT | UBC COMPUTER SCIENCE DEPARTMENT
September 2018 - January 2020 | Vancouver, BC

- Led labs of 30+ students 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an interface where users can create their own accounts and create money jars which then can be renamed, donated to, withdrawn from or shared with other users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

COURSE FINDER TOOL TYPESCRIPT
2019-2020

- Created a tool that parses through JSON/HTML files of college courses and can query specific courses based on chosen identifiers such as class average
- Ensured correct functionality for each step by writing extensive unit tests for each identifier and parser

HIPHOP-LANG PYTHON
2019-2020

- Created an image processing DSL (Domain specific language) that executes transformations such as blurring, eroding, dilating, outlining, cropping, and filtering through script commands

ANDROID TRANSIT APPLICATION JAVA
2018-2019

- Programmed a public transit application that kept track of bus locations, times, stops, routes and the user's current location