

CHRYSEN PARK

(267) · 934 · 3454 ◇ JChrysenpark@gmail.com
4379 Blenheim Street ◇ Vancouver, BC V6L 2Z6
jchrysenpark.com ◇ github.com/chrysenpark

SKILLS/ACTIVITIES

Programming Skills: Java, C++, Python, Html, R
Experienced in debugging and project making with Java, C++, and Python
NW Hackathon Top 20, Vice President for Environmental Science Students Association

EXPERIENCE

Institute for Resources, Environment and Sustainability May 2019 - Present
Software Engineer Vancouver, BC

- Created an interactive mapping application that enhances the visualization of specific types of air pollution in Vancouver, Montreal and Toronto.
- Integrating the application to a website format for public usage: https://chrysenpark.shinyapps.io/ej_app/
- Implementing demographic features to the application to exhibit the environmental injustices of air pollution towards low income, immigrants, low education and indigenous people.

Clean Energy Research Centre April 2018 - July 2018
Software Engineer Vancouver, BC

- Wrote a parser in R that mapped all the given hydrogen stations and storage facilities for hydrogen-fueled automobiles in British Columbia from an XML file of information.
- Implemented the map so that it portrayed the capacity, type of hydrogen, region, and type of power plant for each station/facility

UBC Computer Science Department September 2018 - May 2019
Teaching Assistant Vancouver, BC

- Leading labs weekly and walked students through coding challenges until completion
- Enhancing debugging skills weekly by holding office hours to assist students with certain topics and fixing their code
- Finished the grading of exams one day after they were written for over 900 students to get instant feedback and have optimal time to improve from their mistakes

PROJECTS

Personal Website
Programmed using Html, Javascript

- Implemented a sidebar that included links to each section.
- Worked with javascript to implement interactive features when pressed or triggered
- Coded in HTML to list my experience, profiles and resume

Translink Android Application
Programmed using Java

- Plotted all routes and bus stops in correct location
- Parsed bus information from Translink of Buses and Routes by implementing a JSON parser
- Implemented bus times and highlighted where the closest stop was to the current location

EDUCATION

University of British Columbia 2015 - 2020
B.Sc, Integration of Computer Science and Environmental Science