

ROXANNE JOIE ROBLES

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EXPERIENCE

Agile Developer Intern

SAP, Vancouver | May – Dec 2020

- Created **Python** scripts to automate data collection and validation processes, such as validating **Jira** fields, and supporting customer data stored in **SAP HANA** database
- Developed a validated **SAP Analytic Cloud (SAC)** dashboards for KPIs used for monitoring and tracking content such as SAC customers, outages, etc. used by managers and various teams
- Collaboratively implemented a web app platform for SAP Vancouver HANA & Analytics' training program using **React**, **Node.js**, **HTML** and **CSS** that runs on a **Nginx** reverse proxy server and **Docker** container
- Designed and developed **Python** scripts that monitors, and sends alerts on the growth of HANA tables used for SAC KPIs dashboards

Application-Specific Integrated Circuit (ASIC) Tools Developer Intern

Intel, Vancouver | Jan – Aug 2019

- Provided user support, improvements and bug fixes for **Microsoft Power BI** indicator reports used by managers and engineering teams to monitor project progress
- Developed various **Python** scripts for functionalities such as validating data workflow process involving data flows from **Jira** and from **MS Excel** spreadsheets to the database then to the **Power BI** dashboards.
- Using **Microsoft SQL Server**, maintained, validated and monitored the database that stores the data used in the aforementioned BI reports

PROJECTS

[Covid-19 Chest X-Ray Classification](#) (Academic) | Feb - Apr 2021

- In a team, performed multi-regression classification on chest x-rays with labels: "Normal", "Viral Pneumonia", "Bacterial Pneumonia", and "Covid-19" utilizing various statistical methods.
- Used **Python** and its libraries such as pandas and sklearn to create visualizations, perform data analysis and make classifications such as logistic regression, random forest and Convolutional Neural Networks (CNN).

[GreenerShopper](#) (Personal) | Oct 2020

- With a team at SAP's Hack4Good Hackathon, won third place for developing a prototype for an Amazon **Google Chrome Extension** that displays a product's the carbon emissions (kg) contribution when made and shipped when hovering over it
- Using **JavaScript**, I implemented the backend component that utilizes RainforestAPI to access Amazon's product info and a raw dataset containing rough estimates of carbon emissions for various product types

[SuperRent Vehicle Rentals](#) (Academic) | Oct - Nov 2019

- Collaborated in a team to implement a graphic user interface (GUI) in **HTML** and **PHP** for customers and clerks so that vehicles can be rented for a given time period.
- Developed an **Oracle** database to store data for the SuperRent's customers, vehicle types, vehicles, reservations, rentals and returns. Tables created for database were derived using ER diagrams and relations from the CPSC 304 project description.
- Created functionalities, which used **SQL** queries to obtain the appropriate data that has been requested by a user

Book Recommender (Personal) | Jun - Sept 2018

- Constructed a **Java** command line interface that requests a book title and/or author, and outputs a list of recommended books
- Used SAX parser to parse book information and list of recommended books from Goodreads API.
- Outputted books are sorted by greatest to least average rating via an insertion sort algorithm

EDUCATION

University of British Columbia, Vancouver BC | Sept 2016 – Nov 2021

Major in Statistics and a thematic concentration in Computer Science