

CHARLES QIAN

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Work Experience

SAP Analytics Cloud

Technical Project Coordinator Intern – Vancouver, BC

05/2019 – 12/2019

- **Saved 30 minutes per pipeline per day** by developing a **Jenkins pipeline** using **Groovy** script to automate the generation and sending of email reminders
- Added the ability to pull project and user information directly from JIRA's **REST APIs** into a Jenkins pipeline script by using **Groovy** script
- **Improved organizational Mean Time to Recovery from High and Very High priority bugs by 20%** through designing **KPI** dashboards used by VPs to drive roadmap decisions and highlight bug hotspots
- Improved work traceability, resulting in a **30% decrease in bug tickets** through using Scrum boards to define a new sprint planning process as the **Scrum Master of a 16-person development team**

Vancosys Data Security Inc.

Software Engineer Intern – Vancouver, BC

01/2018 – 04/2018

- Extended support of Vancosys' IoT devices to older Windows systems by migrating an admin application to **Windows Presentation Foundation** using **C#**, leading to new prospective customers
- Reduced the time required to upload firmware onto Vancosys' IoT devices by 90% through designing and **rapid prototyping** a connector using **SolidWorks** and **3D Printing**

Projects

Feed for Reddit – Discord Bot

08/2020 – Ongoing

- Developed a **Python** Discord bot script that posts a real-time Reddit submission feed to Discord channels using **API wrappers** like discord.py and PRAW
- Enabled subscriptions to persist after restarts by implementing a database using **MongoDB Atlas**

Sentiment Analysis using Deep Learning

11/2019 – 04/2020

- Developed a NLP deep learning model to analyze customer sentiment from chat logs using 40000+ rows of data and state of the art methods like **RoBERTa** and **PyTorch** in a team of four
- Developed various **front-end components and visualizations** using **Django**, **SQLite**, and **Plotly** to provide valuable business insights based on the predicted sentiment

Hackathon: BizHacks 2019

02/2019

- **Led a team of five** to create a POC for an enterprise tool to connect employees with specific skillsets and experiences to other colleagues for questions and opportunities using **JavaScript** and **Bootstrap**

Technical Skills and Knowledge

Python, Java, JavaScript, C++
Git, Bash, Linux/Unix, Jenkins, JIRA
Analytics, Machine Learning, Networking, OS

Soft Skills

Project & Stakeholder Management
Agile/Scrum, Software Development Life Cycle
Teamwork, Communication, Leadership

Education

University of British Columbia

Expected Graduation: 05/2022

Engineering Physics – Bachelor of Applied Science – Dean's Honour List

3.90/4.33 GPA