

Angus Fan

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SKILLS

Programming Languages: Python, R, C++ , MySQL, JavaScript, MATLAB, C, Go, Java

Frameworks/Tools: Git, ReactJs, Node.js, Heroku, Linux, Scrum, Agile, MongoDB, Tableau,

PROJECTS

Discord Music Bot | *Python, Youtube-dl, AWS*

Aug 2022

- Created a Discord Bot with the **Discord API** allowing users to search, queue and play Youtube videos
- Deployed on Amazon Web Services (**AWS**) to facilitate 24/7 availability
- Utilized Youtube-dl and YoutubeSearchPython APIs to search for the most relevant result

Google Maps API Project | *JavaScript, NodeJS, React, Express, MongoDB,*

Apr 2021

- Developed a web application to form memories with pins using the React framework, Auth0 security, **NodeJS, Express, MongoDB** and Google maps API
- Deployed on Google Cloud instance with SSL certificate for HTTPS connection
- Facilitated weekly agile sprints with a team of four using scrum agile methodologies
- Reviewed code using SFU GitLab to collaboratively develop the project with the team

SHARE | *JavaScript, NodeJS, Ruby*

Nov 2020

- Designed and deployed a **Heroku** based website to keep track of different personal websites and commonly used bookmarks utilizing skills in Ruby, JavaScript, NodeJS, OOP
- Communicated with the Agile project team weekly giving feedback as the project leader to continually advance the project development
- Enforced code reviews pushed to GitHub to maintain and improve code quality by keeping track of version controls and avoiding merging conflicts

Sensor Noise and Walking | *Python, Jupyter, Scipy, Pandas, Numpy*

May 2020

- Explored sensors/noises associated with walking via data collected with an accelerometer app for iOS
- Applied data cleaning techniques, statistical analysis, and **machine learning** algorithms
- Utilized cleaning and transformation techniques such as butterworth filters, Fourier transformation to modify the data for training and testing
- Applied Mann-Whitney U statistical test, decision trees, naive bayes and KNN classifier models understand the statistical conclusions

EDUCATION

SFU (Simon Fraser University)

Burnaby, BC

B.S Computer Science

Graduation Date: Jun 2021

Data Structures and Algorithms, Numerical Analysis, Database Systems I & II, Computational Vision

Google Data Analytics Professional Certificate

Sept 2021

ACTIVITIES

Vancouver Ultimate League

Jun 2022

TFC Volleyball League

Jun 2022