

BRANDON YIP

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github.com/Byyipp

SKILLS

Go

SQL

Java

Solidity

Python

Javascript

WORK EXPERIENCE

PROGRAMMER

MARCH 2020 - OCT 2021

QUEUE-IT MONITOR (GO) | SOLE DEVELOPER

[GITHUB](#)

A tool to detect waiting rooms and notify users on Footlocker.com - an online footwear retailer

- Developed tool for small business that increases productivity through the use of HTTP Requests to Footlocker Queue-it API to receive and monitor information on products
- Delivers time-sensitive discord notification webhooks through discord API and golang

DISCORD CUSTOMARY TICKET BOT (GO) | SOLE DEVELOPER

[GITHUB](#)

A tool for small businesses to collect customer information

- Optimized and streamlined flow of customer information to businesses with no clutter or loss of information
- Uses a discord bot to ask and record questions to a private SQL database without the need of external assistance

PROJECTS

A* & THETA* PATHING ALGORITHM (GO) | SOLE DEVELOPER

[GITHUB](#)

Implemented A and Theta* pathing algorithms with heuristics to find the optimal path in a 2D grid with obstacles*

- Uses Manhattan distance and Euclidean distance as heuristics to successfully prioritize certain paths
- Implemented heaps as priority queues to efficiently determine the next node to explore
- Utilized Tkinter library to create a visual representation of the path found by the algorithm

CRASH GAME (JAVASCRIPT, SOLIDITY) | SOLE DEVELOPER

[GITHUB](#)

Inspired by the game named "Crash", now built and ran on the blockchain fully automated

- Uses Chainlink Upkeep and VRF Coordinator to generate true randomness and ran automatically
- Thoroughly tested and audited with hardhat to ensure functionality

STRIPE CARDHOLDER & CARD GENERATOR (GO) | SOLE DEVELOPER

[GITHUB](#)

Creates cardholders and virtual cards for businesses

- Leverages the stripe api and golang to record employee info in order to create cardholders and virtual cards for businesses
- Effortlessly automates the card creation process for thousands of cardholder data

BEST BUY PRODUCT MONITOR (GO) | SOLE DEVELOPER

[GITHUB](#)

Web scraping application that monitors and alerts product inventory levels

- Implemented mySQL database to store product information, including current and previous stock levels
- Created a notification system that sends alerts via discord message on in stock products
- Implemented the use of proxy servers to prevent rate limits on the API, and to maintain a consistent data collection rate

NFT AUTOMINT CHROME EXTENSION (JAVASCRIPT) | SOLE DEVELOPER

[GITHUB](#)

Chrome Extension coded in JavaScript that scrapes the HTML page and automates the minting process on NFT websites

- Leverages DOM manipulation to correctly identify buttons based on HTML tags
- Dynamically mints targeted elements on the Solana blockchain
- Built with React to be imported into chrome for easy user experience

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

May 2023

Rutgers University, New Brunswick

- GPA 3.4
- Dean's List