

BRANDON YIP

(201) 723-0555 byip2001@gmail.com [linkedin.com/in/brandonyipyip](https://www.linkedin.com/in/brandonyipyip) github.com/Byyip byyip.github.io

WORK EXPERIENCE

PROGRAMMER

MARCH 2020 - OCT 2021

QUEUE-IT MONITOR | DEVELOPER

[GITHUB](#)

A monitoring tool specifically for Footlocker.com to detect waiting rooms and promptly alert users

- Developed a tool for a business supporting around 700 customers, promptly detecting waiting rooms and instantly alerting users
- Integrated with Footlocker's Queue-it API using RESTful HTTP Requests, ensuring data synchronization and real-time tracking of product information for end-to-end system efficiency
- Leveraged the Discord API in conjunction with Golang to dispatch timely notifications to users, enhancing their purchasing experience and response time

SELF-EMPLOYED | DEVELOPER

FEB 2018 - DEC 2021

Generated approx. \$260,000 in revenue leveraging bespoke technical solutions

- Leveraged various automation tools to programmatically purchase high-demand goods, demonstrating expertise in developing solutions that drive business outcomes and efficiency
- Designed a [Web Scraping Application](#) that tracks high-demand product inventory, integrates with a MySQL database for robust data insights, and dispatches real-time alerts
- Introduced a Discord-based notification system for immediate user engagement and maximum product turnover
- Deployed AWS EC2 servers to ensure the application's scalability, consistent performance, and reliability across all products
- Created a [Stripe Card Management Automation](#) tool in Go that swiftly registers and manages thousands of cardholders, significantly reducing manual labor

PROJECTS

PREMIUM AIRLINE CLASS MILEAGE AUTOBOOKER | DEVELOPER

Automated ticket booking for an enhanced user experience and higher success rate

- Developed an auto-booking system for premium airline classes, targeting high demand mileage tickets and saving approximately \$9,000 per trip
- Utilized web scraping techniques to interact with airline booking HTML code, identifying and engaging with the necessary reservation components
- Configured user preferences to match ticket bookings with desired departure times

CS ENTRY-LEVEL JOB LISTING WEBSITE | DEVELOPER

[WEBSITE](#)

Specialized website dedicated to listings of recent entry-level jobs in the computer science field

- Integrated Adzuna.com and Google Cloud Custom Search APIs with AWS Lambda for dynamic CS job listings and optimized backend processing
- Utilized Amazon API Gateway to architect a scalable and seamless REST API, enhancing real-time job data retrieval
- Engineered a responsive, user-centric web interface, facilitating intuitive job browsing and application

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Rutgers University, New Brunswick | May 2023

- GPA 3.5
- Dean's List
- Cum Laude

SKILLS

Go

RESTful API

Python

SQL

Java

JavaScript