Geunyoung (Tony) Choi (U.S. Citizen)

Software Engineer

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EXPERIENCE

Software Engineer Intern
American Express
📅 07/2020 - 08/2020   📍 Phoenix - AZ

- Developed Singapore's corporate card application for production. The card application allows company program administrators to enroll their employees to apply for an American Express corporate card.
- Personally developed the card applicant form, integrated ETL to send card application batch files to our SWAP, and created a feature to allow the program administrators to download pending card applications.
- Practiced CI/CD, Agile Development, Test Driven Development, and unit testing using Jest and Enzyme.

Web Developer
Georgia Tech Police Department
📅 03/2019 – Ongoing   📍 Atlanta - GA

- Designing and developing web applications part-time during the school semesters and full-time for the Summer of 2019.
- Built REST APIs for various web applications in Node.js to process data using Express.js.
- **Crime Analytics -** Allows the officers at the Department to view/manage police reports and monitor the analytics to better visualize the frequency/locations of specific crimes on campus.
- **Video Management System Bot -** Allows the Department to check all ~2000 campus security cameras daily for quality assurance. The Department originally intended to purchase a costly third-party service to do the same job, but the development of this software saved the Department ~$100,000/yr.

PROJECTS

StadiumEats - A React Native application built for iOS and Android to allow fans at sporting events to conveniently order food without having to miss the game.

BGCMA Application Portal - A React Native application portal tailored for the Boys and Girls Club of Metro Atlanta. Allows the members of the organization to set meetings, upload files for sharing, and chat with other members in real-time.

Rosie - Smart Door Lock with face recognition built using Dlib, OpenCV, and GStreamer for authentication along with a voice interface built using Google Assistant SDK and DialogFlow.

FlyRight - A Vue.js web application that allows users to register flights for their Unmanned/Manned Aircraft System on the Georgia Tech's Campus while the server notifies the dispatch of the upcoming flights.

SKILLS

Languages
Java • Python • JavaScript • SQL • C

Frameworks
ReactJS • React Native • Jest • Vert.x
Vue.js • Django • Express.js • Flask

Databases
MySQL • MongoDB • Firebase
Cloud Firestore • Microsoft SQL Server

Tools
Git • Node.js • Redux • Docker •
Postman • Enzyme • Pandas • Rally
Android Studio

EDUCATION

BS in Computer Science
Georgia Institute of Technology
📅 06/2017 – 05/2021   📍 Atlanta – GA
Concentrations:
Information Internetworks & Devices

Relevant Coursework
Major GPA: 3.41/4.0
Data Structure & Algorithms
Design & Analysis Algorithms
Intro Artificial Intelligence
Applied Combinatorics • Embedded Systems
Objects and Design • Systems and Networks
Database Systems • Computer Networking
Prototyping Devices

Awards
Dean's List (S/F 2018, S/F 2019, S 2020)
Zell Miller & Hatton Lovejoy scholarship recipient