Garland Qiu

garqiu@gmail.com • https://garlandq.github.io/ • (646)-464-3272

EDUCATION

CUNY City College of New York
Degree: Bachelor of Science, Computer Science — ***June 2021***
Honors: *cum laude*

CompTIA Network+ Certified — ***June 2022***

PROJECTS

Crypto Slot Machine — ***June 2021***

- Designed and developed alongside three other team members a cryptocurrency slot machine game using **Solidity**, **Web3JS**, **JavaScript**, **HTML**, and **CSS**.
- Designed and verified smart contracts in **Solidity** to ensure correct transactions within the slot machine game.
- Implemented hashing methods through the front-end to ensure secure transactions and fair gameplay throughout the session.

FLICKS By PIE — ***March 2021***

- Designed and developed a web application utilizing **Next.js**, **React**, and **JavaScript** that displays latest and upcoming movies and shows.
- Utilized data from TMDB (The Movie Database) to display cover arts, user ratings, and details on latest and upcoming movies and shows.

Photo Share App — ***February 2021***

- Designed and developed a photo sharing application using **Python** and **Django** framework where account users can upload and post photos into a front-page feed.
- Developed a REST API alongside the photo sharing application utilizing **Django REST** framework.

NYC StreetEasy Rent Prediction — ***December 2019***

- Built prediction model for rent prices in NYC alongside two other team members using **Python**, along with **pandas**, **matplotlib**, **NumPy**, and **scikit-learn** libraries.
- Utilized 311 Service Requests, NYPD Complaints, and a StreetEasy dataset to improve rent predictions resulting in a median error of $196 from actual rent prices.

EXPERIENCE

NIA Community Services Network — ***September 2016 – February 2020***
STEM Group Leader

- Instructed and assisted in teaching over 90 middle school students every day in STEM activities such as Scratch and Code.org.
- Ensured devices used in STEM activities were operational and troubleshot devices when necessary to continue activities.
- Recommended general and product suggestions for teachers to implement in future STEM activities.
- Served as an interpreter between administrators, teachers, students, and parents.

SKILLS

Programming Languages: Python, C/C++, JavaScript, Java, SQL (PostgreSQL)
Applications: Git, Microsoft Office Suite, Visual Studio, VirtualBox, Postman, Slack
Operating Systems: Windows, Linux, Macintosh, Android, iOS