

# Garland Qiu

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## EDUCATION

**CUNY City College of New York**  
**Degree:** B.S. in Computer Science  
**Honors:** *cum laude*

*June 2021*

**CompTIA Network+** Certified

*June 2022*

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## RELEVANT COURSES

Software Engineering  
Data Science

Database Systems  
Operating Systems

Web Security  
Computer Networks

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## PROJECTS

### Crypto Slot Machine

*June 2021*

- Worked alongside three other team members using **Solidity**, **Web3JS**, **JavaScript**, **HTML**, and **CSS** to create a slot machine game using cryptocurrency as its transactions.
- Used **Solidity** to create and test smart contracts 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*

- Implemented and designed a web app 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*

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

### NYC StreetEasy Rent Prediction

*December 2019*

- Worked alongside two other team members using **Python**, along with **pandas**, **matplotlib**, **NumPy**, and **scikit-learn** libraries to predict rent prices for housing in the NYC area.
- 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.

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## EXPERIENCE

### NIA Community Services Network STEM Group Leader

*September 2016 – February 2020*

- Tutored 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 troubleshooted devices when necessary to continue activities.
- Provided general and product suggestions for teachers to use in future STEM activities, which was later implemented.
- Served as an interpreter between administrators, teachers, students, and parents.

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## 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