

Garland Qiu

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EDUCATION

The City College of New York

June 2021

Bachelor of Science in Computer Science, cum laude.

PROJECTS

U.S. Tech Layoffs Data Visualization

March 2023

- Built and published an interactive dashboard showing statistics on tech layoffs in the U.S. from the start of COVID-19 to March 2023.
- Identified key metrics, trends, and geographical patterns using a public Kaggle tech layoffs dataset to design statistical summaries and visualizations with **Tableau**.
- Analyzed dataset and concluded findings accessible and intuitive for a public audience on Tableau Public.

Film Database Web App (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 detailed information on the latest and upcoming movies and shows.
- Implemented intuitive navigation features, allowing users to easily explore and discover movies and shows while maintaining an optimal performance and responsiveness of the web application.

NYC StreetEasy Rent Prediction

December 2019

- Collaborated and developed an accurate rent price prediction model for NYC housing using 311 Service Requests, NYPD Complaints, and StreetEasy datasets, resulting in a median error of \$196 from actual rent prices.
- Employed data science methodologies and machine learning techniques, leveraging **Python**, **pandas**, **Matplotlib**, **NumPy**, and **scikit-learn** libraries, to preprocess, analyze, and model the data to develop an accurate predictive model.

EXPERIENCE

Skyward Real Estate

September 2023 - Present

Showing Assistant Representative

- Conducted property showings for prospective buyers, providing them with detailed information about the features and benefits of each property.
- Communicated effectively with clients, addressing questions and concerns, and ensuring a positive experience during property viewings.
- Collaborated with real estate agent to gather feedback from clients during and after showings, allowing for adjustments and finalizing property deals.

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 (Science, Technology, Engineering, Math) such as Scratch and Code.org.
- Recommended and implemented improvements to STEM activities, incorporating feedback from both students and teachers, which enhanced the quality and relevance of the curriculum.

SKILLS

Programming Languages: Python, SQL (Postgres), C/C++, JavaScript, Java

Applications: Microsoft Excel, Tableau, Git, Visual Studio, VirtualBox

Skills: Data Visualization, Data Analysis, Data Science Methodologies

Libraries: pandas, NumPy, Matplotlib