RAYMOND JIANG

Brooklyn, NY

(646) 468-0829   raymond.jiang1@baruchmail.cuny.edu   linkedin.com/in/raymond-jiang   github.com/rayj1981

Education

Baruch College, City University of New York (CUNY)   **Expected Dec 2026**
Bachelor of Business Administration in Statistics & Quantitative Modeling, Minor in Math — GPA 3.3   *New York, NY*

Relevant Coursework: Data Structures, Statistical Computing, Data Analysis, C++ Programming, Database Fundamentals, Python Programming, Linear Algebra, Calculus 3

Experience

CUNY Tech Prep   **Jul 2025 – Present**
Data Science Fellow   *New York, NY*

- Selected for a competitive, industry-led technical fellowship focused on data science and software development across 11 CUNY senior colleges
- Developed end-to-end data science projects using a modern tech stack: Python, Pandas, NumPy, Scikit-learn, SQL, and Jupyter Notebooks
- Participated in weekly courses on industry best practices, including exploratory data analysis (EDA), statistical modeling, machine learning, and data visualization

Summer Youth Employment Program   **Jun 2023 – Aug 2023**
Social Media Marketing Intern   *New York, NY*

- Designed and produced 50+ branded graphics and promotional materials using Canva to enhance audience engagement across multiple channels
- Planned and executed a cross-platform content strategy, scheduling and publishing 20+ posts per week to maintain consistent brand presence
- Analyzed platform metrics to identify engagement trends, collaborating with the marketing team to refine content strategy and achieve 300% follower growth

Projects

Bus Lane Analysis: ACE & Congestion Pricing | *Python, Data Visualization* | GitHub   **Jun 2025**

- Analyzed MTA bus speeds (2020-2024) and Automated Camera Enforcement violations to measure traffic policy impacts
- Conducted spatial analysis mapping CUNY campuses to ACE-enforced routes, identifying key student transit corridors
- Found 13% speed increase on M101 and 12% on M2 routes post-ACE implementation through comparative analysis
- Modeled congestion pricing synergy with ACE, projecting reduced commute times for CUNY student populations

MTA Transit App | *Hackathon Project* | *React Native, TypeScript, Node.js, REST APIs* | GitHub   **Aug 2025**

- Built a mobile app with Expo that displays real-time NYC subway and bus alerts using the MTA GTFS-RT API
- Developed full-stack transit app integrating MTA real-time Transit API with fallback mock data for reliability
- Collaborated in a team to deliver a working prototype in 55 hours

Traffic Pattern Analysis in Manhattan | *Python, R, Data Visualization*   **Oct 2024 – Dec 2024**

- Collaborated in a team of 3 to analyze NYC Open Data using Python and R.
- Applied statistical methods including t-tests and Poisson regression to evaluate crash severity and frequency
- Designed data visualizations to illustrate traffic patterns and support evidence-based policy recommendations
- Analyzed the impact of holidays and major events on Manhattan traffic patterns and provided insights for safety planning

Technical Skills

Languages: Python, R, C++, SQL, TypeScript/React Native, Node.js/Express, JavaScript
Developer Tools: VSCode, R Studio, Git/GitHub, Adobe Photoshop, Canvas
Technologies/Frameworks: Pandas, NumPy, Matplotlib, React Navigation, Expo, REST APIs

Extracurricular Activities

Baruch Finance and Quant Engineering Club   **Sep 2025 – Present**
Options Team Member   *New York, NY*

- Participating in a student-led team focused on options trading strategies; currently reading technical documentation on options pricing models and preparing to implement strategies using Python in a collaborative setting.