

# Jiale (Jerry) Chen

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## EDUCATION

**Macaulay Honors College at The City College of New York**, New York, NY

Bachelor of Science in Applied Mathematics; Minor in Computer Science and Economics; GPA: 3.95 Expected May 2023  
University Scholar (Four Year Scholarship), Dean's List (Fall 2019-Present), Asian Alumni Scholarship, Climate Policy Fellows

**Relevant Coursework:** Writing for Engineers, Biostatistics and Research Methods, Differential Equations, Linear Algebra, Quantitative Economics, Discrete Mathematics, Data Structures, Algorithms, Software Design Laboratory, Machine Learning

**Professional Development:** EverUp Micro-Credential in Data Analytics and Finance (100-hour certificate from New York Jobs CEO Council & CUNY), CUNY Building Performance Lab Training, NielsenIQ University Program (data analytics and insight training)

## QUALIFICATIONS

**Programming Languages:** Python, R, SQL, C++, Java, and MATLAB

**Software Applications:** Microsoft Word, Excel, PowerPoint, Tableau

**Spoken Languages:** Advanced Mandarin

## RESEARCH EXPERIENCE

**The City College of New York | Summer Rich Intern**

June 2022 - August 2022

- Built computational models for different practices of secure communication in presence of malicious adversaries
- Calculated the level of security and analyzed the design of different cryptographic protocols
- Leveraged visualization tools in Python to present insights in a more comprehensive manner

**Center for Discovery and Innovation | Undergraduate Research Assistant**

August 2021 - May 2022

- Investigated protein-protein interactions in terms of structure, dynamics, and function through computational modeling
- Assisted in developing algorithms in C++ to extract pertinent values
- Analyzed the accuracy of the model by conducting hands-on research

## PROFESSIONAL EXPERIENCE

**CUNY Tech Prep | Data Science Fellow**

June 2022 - Present

- Learn in-demand technologies such as Scikit-learn, SQL, and Keras as well as industry best practices for exploratory data analysis, feature engineering, and natural language processing

**NielsenIQ | Customer Success Intern**

June 2022 - August 2022

- Analyzed the latest consumer trends for L'Oreal using AOD, CASE, and Discover
- Built and delivered core organizational reports that are leveraged by senior leaders to inform strategic objectives
- Quality-checked 5+ reports to ensure the accuracy of the data, insights, and recommendations delivered to clients

**Research Foundation of CUNY | Research Intern**

January 2022 - June 2022

- Conducted in-depth analyses of energy data and streamlined the measurement and savings prediction process
- Researched and developed new modeling methodologies for analyzing energy consumption data in the NYC portfolio
- Supported the development of comprehensive data sets for NYC buildings

**Project Destined | Commercial Real Estate Intern**

May 2021 - August 2021

- Participated in training sessions, which covered real estate development, acquisition, property valuation, and deal financing
- Collaborated with corporate and graduate school mentors and prepared materials for a "Shark Tank" style pitch competition, where intern teams presented a real estate deal to industry leaders
- Utilized Excel to sort and analyze property data and created a real estate cash flow model with IRRs and cash multiples

## AFFILIATIONS

**Secretary**, Tau Beta Pi, CCNY

August 2021 - Present

**Lead Event Coordinator**, SASE, CCNY

August 2020 - May 2022

**Tutor**, City Tutors, CCNY

October 2019 - May 2021

**Member**, Biomedical Engineering Society, CCNY

August 2019 - May 2021