

Alex Chen

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EDUCATION

New York City College of Technology, CUNY

Brooklyn, NY

Bachelor of Science in Data Science

06/24

- GPA: 3.8/4.0, Dean's List for 3 semesters, CUNY Service Corps Alumni
- **Relevant Coursework:** Data Structures, Information and Data Manage I (Python), Object-Oriented Programming (Java), Database Fundamentals, Linear Algebra, Probability and Statistics I, Discrete Math I

TECHNICAL SKILLS

Languages/Frameworks: Python, SQL, Java, HTML, CSS, JavaScript, Mocha, R

Libraries: Pandas, NumPy, Matplotlib, Seaborn, React, SciPy

Technologies: Git, GitHub, Excel, Data Studio, Tableau

PROGRAMMING PROJECTS

Reddit Client App - [Project Page](#)

08/22

- Created an interactive Reddit client application using HTML, CSS, JavaScript, and React.js to deepen understanding of React and the virtual DOM

Biodiversity in National Parks Analysis - [GitHub](#)

05/22

- Analyzed 30,000 data points using python libraries, Pandas, SciPy, NumPy, Seaborn, and Matplotlib, to answer questions about different species in 4 national parks and the 191 endangered species within the parks
- Utilized chi-squared tests to see statistically significant differences in conservation status rates among 7 different groups of species

Manhattan School District Standardized Testing Analysis - [GitHub](#)

05/22

- Summarized 2 data sets with a total of 5,000 points of data using Pandas, Seaborn, and Matplotlib libraries within python, to understand how exam scores have changed over a 6-year period

Gym Website - [Project Page](#)

05/22

- Created an interactive website using HTML, CSS, JavaScript, and CSS box model to potentially reach 10 percent more customers

RELEVANT EXPERIENCE

CUNY Tech Prep

New York, NY

Data Science Fellow

07/22 - Present

- Selected for a competitive year-long technical and professional development program for CUNY computer science majors to learn in-demand technologies and master professional soft skills

The City University of New York, CUNY Conserves Team

New York, NY

Energy Technology Intern

07/22 - Present

- Tested and improved an import app with the lead software engineer resulting in faster speeds by over 20%
- Used Python to create sample data with over 5000 data points used in testing an Excel workbook app
- Reviewed over 30 test cases of an application and provided feedback and possible improvements to the team

New York City College of Technology

Brooklyn, NY

Undergraduate Researcher

05/22 - 06/22

- Used an online resource of interview questions to create case studies for tech companies which contains tables with data, interview questions, and answers in Python and SQL
- Developed a pipeline for searching details about interview questions for City Tech CST faculty and students
- Extracted data points from an online resource of interview questions and conducted several case studies

The Urban Assembly

New York, NY

Operations & Data Intern

03/22 - 05/22

- Identified opportunities for improvement within the data science process over 12 different data sources
- Constructed data visualizations for easier and faster access to information for members across 3 different teams
- Analyzed over 10,000 data points across 3 departments to help better plan resources placement
- Streamlined and maintained the usability of 10 data sets across different departments

SUPPORTING EXPERIENCE

EBC High School

Brooklyn, NY

Teacher Aid

07/21 - 08/21

- Enhanced student's understanding of high school mathematics through clear examples of patterns within math
- Maintained order in a classroom of 15 students and assisted lead teachers in conflict solving