

Alex Chen

Brooklyn, NY | 843-455-7901 | 112623chen@gmail.com | <https://112523chen.github.io>

EDUCATION

New York City College of Technology, CUNY

Brooklyn, NY

Bachelor of Science in Data Science

06/24

- GPA: 3.7/4.0, Dean's List for 2 semesters
- Coursework: Data Structures, Information and Data Manage I (Python), Object-Oriented Programming (Java), Linear Algebra, Probability and Statistics

TECHNICAL SKILLS

Languages/Framework (Proficient): Python, Java, SQL

Languages/Framework (Prior Experience): HTML, CSS, JavaScript

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

PROGRAMMING PROJECTS

Biodiversity in National Parks Analysis

- Analyzed 30,000 data points with python libraries, Pandas, SciPy, NumPy, Seaborn, and Matplotlib, to answer questions about the species of animals in 4 national parks and those 191 species that were marked as endangered
- Utilized chi-squared tests to see the statistically significant differences in conservation status rates among the 7 different groups of species
- GitHub Page: <https://github.com/112523chen/Biodiversity-in-National-Parks-Analysis>

Manhattan School District Standardized Testing Analysis

- Summarized 2 data sets with a total of 5,000 data points using Pandas, Seaborn, and Matplotlib libraries within python, to help understand how exam scores have changed over a 6 year period
- GitHub Page: <https://github.com/112523chen/School-Districts-Standardized-Test-Analysis>

Gym Website

- Created an interactive website with the potential to reach 10 percent more customers with HTML, CSS, JavaScript, and the CSS box model
- Project Page: <https://112523chen.github.io/project.html#gym-website>

WORK EXPERIENCE

The Urban Assembly

New York, NY

Operations & Data Intern

03/22 - 05/22

- Identified opportunities for improvement in the data collection and analysis process across 12 different data sources
- Constructed data visualizations for easier and faster access to the information for members across 3 different teams
- Retrieved and analyzed over 10,000 data points across 3 departments to help better plan the placement of resources

EBC High School

Brooklyn, NY

Teacher Aid

07/21 - 08/21

- Reinforced classroom of 15 students' understanding of high school mathematics through clear examples of patterns within mathematics
- Maintained order in the classroom of 15 students and assisted the lead teachers in conflict solving
- Supported 4 teachers and administrators in creating a successful learning environment for students