

LARA SCHUMAN

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EDUCATION

New York City College of Technology (City Tech), City University of New York (CUNY) - Brooklyn, NY

Bachelor of Science in Data Science | GPA: 3.6, Dean's List, Honors Scholars Program

Expected May 2025

CUNY Tech Prep Fellow 2024-2025

COURSEWORK

NoSQL · Information & Data Management · Web Programming · Data Science · Probability and Statistics · Database Systems · Computer Programming · Statistics in Kinesiology · Computing and Informatics Design

DATA SCIENCE PROJECTS

MTA Data

May 2024

- Conducted a comprehensive analysis of NYC subway ridership and weather patterns using Python, including data cleaning, aggregation, and visualization with Plotly Express and Folium.
- Identified correlations between subway entries and rainfall through statistical tests and time series analysis, revealing insights into ridership patterns and data stationarity.

NBA Data Analysis

December 2023

- Conducted NBA data analysis, utilizing Beautiful Soup for web scraping.
- Cleaned the data using pandas, extracted key metrics, and used Matplotlib and Plotly for visualization, revealing the significant impacts rule changes have on the game.

Census Survey

April 2019 – June 2019

- Used survey data and linear regression to determine correlations to how people voted in the 2012 presidential election to how people voted in 2016.

RELEVANT WORK EXPERIENCE

Evergreen Investments, Duluth, Georgia – Data Analyst Intern

June 2024 – Present

- Working on technology targeted to first time homeowners as a member of the data applications and integrations team
- Implemented FMLS data API's for data ingestions, filtering, and manipulations/calculations
- Performed SQL queries for data visualization

The City Tutors, Brooklyn, New York – Data Analyst Intern

March 2024 – June 2024

- Working on an enhanced Excel dashboard, leveraging advanced Excel functions and data visualization techniques to increase and improve tutoring sessions being done
- Utilize R to compare key performance indicators (KPIs), effectively illustrating trends in tutor/tutee usage of the tutoring services
- Collaborate with team lead to design an intuitive user interface using Django, ensuring optimal user experience

EduMate NYC, Brooklyn, New York – Lead Coordinator

February 2020 – August 2020

- Created a program using Python and Excel to automate matching students with tutors based on their survey responses
- Participated in weekly team meetings with other team leads to discuss how to improve services and expand outreach from the analyzed user feedback survey data

SUPPORTING EXPERIENCE

Mathnasium Park Slope, Brooklyn, New York – Math Instructor

April 2024 – Present

- Collaborate with team members to deliver individualized instruction within a group setting to 1st-12th grade students
- Design a daily plan for students and helping them with topic comprehension

SKILLS

Programming Languages: Python · SQL · R · HTML · JavaScript · JASP · Java · CSS

Tools: Notion, Adobe Illustrator, Zoho

VOLUNTEER

UBC Active Kids – University of British Columbia

Poll Worker – NYC Board of Elections

Canvasser – Bucks County, PA, Brooklyn, NY

INTERESTS

Soccer · Rock Climbing · Hiking · Knitting · Sports Statistics · Basketball