

Edgar Santamaria

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SUMMARY

Aspiring Computer Science student at the College of Staten Island with a passion for data and programming. Bilingual with fluency in Spanish and English and exceptional communication skills. Passionate for programming, data analysis, and web development, with knowledge of over 7 programming languages that have led to the development of sharp problem-solving skills.

PROJECTS

Energy Consumption Forecasting | <https://github.com/EdgarSantamaria/EnergyUsagePredictor> | Python

A machine learning model that predicts energy consumption in equipment utilizing forecasting tools such as Facebook Prophet, Keras, and skforecast.

Economic Dashboard | <https://github.com/EdgarSantamaria/economicDashboard> | Python, Streamlit

Collaborated with data science students to create a dashboard that reflects the economic data of a state or various states using data visualization techniques that the user can customize.

EXPERIENCE

CUNY Building Performance Lab

June 2023 - Present

Data Analyst Intern | New York, NY

- Assisted in applied research projects in the building energy and efficiency field, supporting the Department of Citywide Administrative Services Division of Energy Management (DEM).
- Conducted data cleaning, manipulation, and analysis on large datasets utilizing Python and Jupyter Notebooks.
- Developed and implemented data visualization dashboards.
- Utilizing advanced time-series prediction tools to anticipate future energy consumption and to identify critical trends in energy usage patterns.

Research Foundation of CUNY

February 2023 - May 2023

Data Analyst Intern | New York, NY

- Query databases using PostgreSQL, and XPath to extract data for answering research questions.
- Utilized Python to conduct exploratory data analysis on databases.

CUNY Tech Prep

June 2022 - June 2023

Data Science Fellow | New York, NY

- Selected for a competitive data science fellowship with students from across the 11 CUNY senior colleges where Fellows create technical projects using tools such as Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, and SQL.
- Participate in weekly courses and learn industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science processes, and big data.

SKILLS

Programming: Python(Proficient), C++(Proficient), Java(Proficient), SQL(Intermediate), HTML(Intermediate), CSS(Intermediate), JavaScript(Intermediate), C# (Beginner)

Spoken Languages: Spanish (Fluent), English (Fluent)

EDUCATION

College of Staten Island | Bachelor of Science in Computer Science

August 2020 - May 2024

Relevant Coursework:

Data Structures, Database Systems, Object-Oriented Programming, Algorithms, Software Engineering, Game Dev Programming