

John Isik

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Education

Stevens Institute of Technology, NJ

Master's Degree in Data Science

May 2026

Relevant Coursework:

- Vectors, matrices, linear equations, probability distributions, univariate & multivariate optimization, limit theorems, and probability theory.

CUNY Queens College, NY

Bachelor's Degree in Computer Science

Minor in Applied Mathematics

May 2023

Relevant Coursework:

- Object-Oriented Programming (C++ and Java), Data Structures, Discrete Math, Linear Algebra, Calculus.

Technical Skills

- **Programming Languages:** Python, Java, C++, SQL
- **Data Science Tools:** Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow
- **Visualization:** Matplotlib, Seaborn, Tableau
- **Other Tools:** Git, Jupyter Notebooks, Microsoft Excel

Projects

Household Energy Consumption Analysis

Data Analyst

October 2024

- **Analyzed household energy consumption data** using Principal Component Analysis (PCA) for dimensionality reduction, capturing key usage patterns while simplifying feature complexity.
- **Segmented households into clusters** using K-Means which revealed seasonal trends and consumption behaviors.
- **Preprocessed large datasets** by handling missing values, aggregating daily totals, and transforming time-based features for analysis, improving data quality and interpretability.

Visual Learning Tool for Derivations

Technical Lead

May 2023

- **Led the development** of an interactive tool using **Python** and **Matplotlib** to visually demonstrate complex mathematical derivations, enhancing user understanding of key computational concepts.
- **Designed class hierarchies** and structured the application for seamless integration and accuracy.
- **Streamlined development**, **reducing completion time by 25%** through core feature focus.

Elevator Simulation (Real time simulation)

Programmer

March 2023

- **Engineered** a highly realistic elevator simulation by implementing **multithreading** and incorporating **random data inputs**, improving the efficiency and accuracy of the simulation by 20%.
- **Designed and deployed** an enhanced **visualization interface**, significantly improving system clarity, which led to a more intuitive and engaging user experience.

Professional Experience

Starbucks, Queens, NY

Barista

October 2023 - Present

- **Handle 120+ customer orders per hour**, consistently meeting daily sales goals of **\$2,500–\$3,000**.
- **Lead and mentor new hires**, enhancing team performance; **recognized twice** as **"Partner of the Week"**.

Certifications

- **SQL Certification** - Mimo.org (August 2025)
- **IBM Data Science Professional Certificate** (In Progress)