

John Isik

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Education

Stevens Institute of Technology

Masters of Science in Data Science GPA: 3.5

Sep 2024 - May 2026 (Expected)

- Relevant Coursework: Applied Machine Learning, Web Mining, Probability Theory, Statistical Methods

COOP Careers - Data Analytics Fellow

Feb 2025 - June 2025

- Engaged in a 16-week fellowship program, acquiring expertise in data cleaning, transformation, analysis, and visualization using SQL, and Tableau, alongside continuous professional development
- 200 hours of instruction time with a hands-on mastery of data tools, communication training, networking, and client work with actual companies
- Gained hands-on experience working in collaborative teams, presenting data-driven insights, and solving real-world business challenges through client-focused projects

CUNY Queens College

Bachelors of Art in Computer Science, Minor in Applied Mathematics

Jan 2021 - May 2023

Technical Skills & Certifications

- **Certifications:** Google Analytics Professional Certificate (Coursera), SQL (Mimo.org)
- **Programming Languages:** Python (Pandas, NumPy, Scikit-learn), SQL, Java, C++
- **Visualization:** Excel (Pivot Table and Vlookup), Tableau, Matplotlib, Seaborn

Projects

Thyroid Cancer Risk Prediction Analysis (Python) ([Link](#))

Feb 2025

- Developed a machine learning pipeline to predict thyroid cancer risk based on demographic and medical data
- Preprocessed 212,691 records, handling missing values and encoding variables for optimal model performance
- Trained a Random Forest model (61% accuracy), revealing ethnicity and family history as key predictors
- Created feature importance visualizations and ethnicity-based risk distribution charts using Seaborn and Matplotlib

Household Energy Consumption Analysis (Python) ([Link](#))

Oct 2024

- Leveraged PCA(dimensional reduction) to condense 8+ features to 3 key component clusters, retaining 91.1% variance and pinpointing primary drivers of energy usage
- Conducted time-series analysis on clusters, revealing Cluster 0's wave-like consumption patterns (high winter, low summer) and Cluster 2's distinct hourly spikes, peaking in mornings and gradually increasing into evenings
- Confirmed cluster validity with Cluster 0's 65.2% heating dominance and Cluster 2's peak kitchen/laundry correlation

Work Experience

Starbucks

Forest Hills, New York

Barista

Sep 2023 – Nov 2024

- Served up to 110+ orders per hour during peak times, maintaining speed and accuracy in a fast-paced environment while ensuring customer satisfaction
- Mentored new hires, improving team performance and being recognized 4 times as Partner of the Week
- Designed menu boards and seasonal displays, enhancing store aesthetics and attracting customer attention

Maker Space, Queens College

Flushing, New York

Engineering Lab Member

Jan 2021 – May 2023

- Developed diverse skills including soldering, woodworking, and 3D printing, enhancing technical proficiency
- Completed personal projects such as a Nixie Tube Clock constructed with high voltage electric circuits
- Guided machinery usage and enforced safety, while cultivating communication and teamwork abilities