John Isik

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Education

COOP Careers - Data Analytics Fellow *June 2025*

- Engaged in a 16-week fellowship program, acquiring expertise in data cleaning, transformation, analysis, and visualization using SQL, Python, 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

Stevens Institute of Technology

Masters of Science in Data Science GPA: 3.5 *May 2026*

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

CUNY Queens College

Bachelors of Art in Computer Science, Minor in Applied Mathematics *May 2023*

Technical Skills & Certifications

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

Projects

Thyroid Cancer Risk Prediction Analysis (Python) *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) *Oct 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

Visual Learning Tool for Automated Derivations (Python) *May 2023*

- Led development of an educational tool demonstrating how neural networks compute derivatives, improving accessibility for students and researchers
- Designed an algorithm that decomposes polynomial functions into tree-like computational graph nodes, enhancing step-by-step differentiation visualization
- Managed project workflow and scheduling, coordinating tasks among a three-person team to complete documentation and full software lifecycle on time

Work Experience

Starbucks **Forest Hills, New York**

Barista *Sep 2023 – Nov 2024*

- Ability to Multitask – Served up to 120+ orders per hour during peak hours, maintaining speed and accuracy in a fast-paced environment while ensuring high customer satisfaction
- Training & Leadership – Mentored and onboarded new hires, recognized 4 times as Partner of the Week
- Visual Merchandising – Designed and hand-painted custom menu boards and seasonal displays