

John Isik

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ

Master of Science in Data Science

Expected Graduation: 05/2026

Relevant Courses:

- **Foundational Mathematics:** Vectors, matrices, linear equations, subspaces, basis, projections, partial derivatives, gradient, Jacobians, univariate & multivariate optimization.
- **Intro to Probability Theory:** Probability spaces, random variables, probability distributions, expectations, & limit theorems.

CUNY Queens College, Flushing, NY

Bachelor of Arts in Computer Science | Minor in Applied Mathematics

05/2023

Relevant Courses:

- **Object-Oriented C++:** Pointers, classes, and recursion.
- **Object-Oriented Java:** Classes, inheritance, and abstraction.
- **Data Structures:** Search algorithms, sorting algorithms, and time complexity.
- **Mathematics:** Point-set topology, discrete math, linear algebra, calculus, differential equations.

PROJECTS

Visual Learning Tool for Derivations | Python, Matplotlib

Technical Lead & Documentation Specialist

05/2023

- **Developed a tool** that visually demonstrates the **step-by-step derivation process** computers follow, helping students better understand complex mathematical computations.
- **Designed system architecture** and class/function structure, ensuring seamless mapping of the derivation process.
- **Managed project workload**, wrote detailed documentation, and optimized development by focusing on key visualization features, reducing project time by **2-3 weeks**.

Elevator Simulation (Real time simulation) | Java

Programmer

03/2023

- **Challenged the standard approach** by implementing **multithreading** with complex random data inputs, leading to a more **realistic and efficient** action sequence for the simulation.
- **Improved user experience** by designing detailed **visual representations**, enhancing clarity and increasing engagement through improved system visualization.

Syntax Analyzer for Code Validation | C++

Programmer

03/2023

- **Developed a tool** to tokenize and validate **Pascal code**, identifying syntax errors and helping developers debug efficiently.
- Provides **clear error messages** to streamline the code correction process.

PROFESSIONAL EXPERIENCE

Starbucks, Queens, NY | Barista

10/2023 - Present

- **Managed high-volume shifts**, processing **50-66 customer orders per half hour** and consistently achieving daily sales targets of **\$2,500-\$3,000**.
- **Increased order efficiency by 15%** through workflow optimizations, reducing customer wait times during peak hours.
- **Recognized twice as "Partner of the Week"** for leading team coordination and training new hires in best practices.

ADDITIONAL SKILLS AND CERTIFICATIONS

Languages: Turkish (Native Speaker)

Certifications:

- **SQL** – Completion by Mimo.org | 08/2025
- **Google Data Analytics** (In Progress)
- **AWS Cloud Practitioner** (In Progress)