

# John Isik

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## EDUCATION

Stevens Institute of Technology, Hoboken, NJ

Master of Science in Data Science (Expected May 2026)

09/2024 - Present

- Relevant Courses:
- Foundational Mathematics for Data Science:
- Intro to Probability Theory:

CUNY Queens College, Flushing, NY

Bachelor of Arts in Computer Science | Minor in Applied Mathematics

01/2021 - 05/2023

Relevant Coursework:

- Object-Oriented C++: Pointers, classes and recursion.
- Object-Oriented Java: Classes, inheritance, abstraction.
- Data Structures: Search algorithms, sorting algorithms, time complexity.
- Internet and Web Technologies: Javascript, TCP/IP, asynchronous programming.
- Mathematics: Point-set Topology, Discrete Math, Linear Algebra, Calculus, Differential Equations

## 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.

## 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.

## ADDITIONAL SKILLS AND CERTIFICATIONS

Additional Languages : Turkish - Native Speaker

Certifications:

- **Completion of SQL by Mimo.org**
- **Google Data Analytics (In Progress)**
- **AWS Cloud Practitioner (In Progress)**

08/2025