

Firstname Lastname

(111) 222-3333 | email@gmail.com | linkedin.com/in/firstname-lastname | github.com/username | City, State

EDUCATION

Top 25 School

City, State

Bachelor of Science in Computer Science + Mathematics and Financial Engineering

Aug. 2022 – May 2026

- *GPA: 3.93/4.00*
- *Relevant Coursework:* Data Structures and Algorithms, Probability and Statistics for Engineering, Matrix Algebra, Differential Equations, Capital Markets and Financial Management

Top 50 HS in America

City, State

Advanced Regents Diploma

Sep. 2018 – June 2022

EXPERIENCE

Matched Academic Mentor

Sep. 2023 – Present

Learning Center at my School

City, State

- Leads weekly sessions to help students develop conceptual understanding and problem-solving strategies for Matrix Algebra and Differential Equations

Strategy Intern

July 2023 – Aug. 2023

Healthcare Software Startup

New York, NY

- Utilized PostgreSQL to analyze DME order data and identify top-performing doctors, cities, and states that lead in prescribing the most durable medical equipment, enabling targeted marketing strategies to attract new users
- Optimized salesmen's routes through states to maximize annual recurring revenue, creating opportunities for salesmen to generate potential annual recurring revenues of \$8.9 million
- Identified and flagged 1400+ instances of invalid zip codes within the database of doctors, clinical facilities, suppliers, and supplier legal entities

Data Analytics Intern

May 2023 – Aug. 2023

Healthcare Startup

New York, NY

- Structured database of English-speaking medical clinics and doctors in Africa, Australia, and Europe
- Developed data visualizations to communicate feedback from the pilot program, resulting in enhanced comprehension and actionable insights

PROJECTS

Merchant Recommender | *Python, Flask, Open Banking API, OpenAI API, Supabase, Matplotlib*

Oct. 2023

- Developed a Flask-based web application for **hackathon at my school** that interfaces with Mastercard's Open Banking API which enables users to securely access their bank transaction data in real-time
- Incorporated the OpenAI API to analyze user transaction histories and generate personalized vendor recommendations
- Utilized Supabase for efficient backend data management and streamlined user data operations
- Designed an interactive dashboard with Matplotlib presenting transaction summaries and spending patterns

Discord Math Solver Bot | *Python, Flask, Wolfram Alpha API, OpenAI API*

Aug. 2023 – Sep. 2023

- Developed a Discord bot that solves mathematical problems using the Wolfram Alpha API
- Integrated with OpenAI API to convert results into LaTeX equations for improved formatting
- Employed Pillow for image processing to render LaTeX equations into shareable and readable images
- Created a Flask-based service to keep the bot continuously running

TECHNICAL SKILLS

Languages: Python, Java, SQL (Postgres), R

Frameworks/Libraries: pandas, Flask, Matplotlib

Developer Tools: Git, Docker, Kubernetes, VS Code, Eclipse, RStudio

Software: Microsoft Office, Tableau Desktop