

Security-Minded Programmer

Programmer focused on high throughput, stability, and security. Comfortable working on frontends, backends, and databases. Favors test-driven Agile development. Dedicated to writing readable and reusable code.

JavaScript | Python | SQL | UNIX | C++

Education

UC Berkeley School of Information, Remote

May 2024 - April 2026 (expected)

Master of Information and Cybersecurity (MICS)

Relevant classes: Software Security, Network Security, Cryptography, Privacy Engineering, Applied Machine Learning for Cybersecurity

CUNY Hunter College, New York, NY

Aug. 2018 - June 2022

Bachelor of Arts Magna Cum Laude in Computer Science

Minors in Mathematics and Music.

Experience

DataMixMaster, LLC, Remote

Aug. 2023 - Present

Full Stack Web Developer

- Create flexible and reusable React components according to responsive and intrinsic design principles.
- Develop and maintain a complex Flask API. Write interfaces connecting to various databases using pymongo and SQLAlchemy. Maintain a rigorous testing environment using Jest and pytest.
- Write supporting shell scripts for manipulating the codebase and development environment.
- Manage builds hosted on PythonAnywhere's cloud and Heroku.
- Implemented a semantic search engine using HuggingFace.

East Harlem Scholars High School, New York, NY

Aug. 2022 - Oct. 2023

Computer Science Teacher

- Designed and taught a one-semester class in a Harlem high school.
- Taught over 100 students across five sections for three semesters.

DOE, Security Incident Response Team, New York, NY

June - Aug. 2022

Incident Response intern

- Investigated and remediated cybersecurity incidents on the Department of Education's citywide network.
- Used a full security software stack including:
 - Devo Security Information and Event Manager.
 - XSOAR Security Orchestration, Automation, and Response.
 - Microsoft Cloud App Security.

Projects

- Custom frontend for Structured Finance Association (via DataMixMaster)
- C++ Turing Machine Simulator
- Hunter Capstone Project: ML Image Classification of Musical Instruments.
 - React Native app, Express.js server, TensorFlow.py model