

Technical Consultant and Software Engineer

Technical consultant leveraging experience as a full stack software engineer. Focused on high throughput, stability, and security. Favors test-driven Agile development. Currently enrolled part-time in UC Berkeley's Master of Information and Cybersecurity program.

Education

UC Berkeley School of Information, Remote 05/2024 - 06/2026

Master of Information and Cybersecurity (MICS)

GPA: 4.0

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

CUNY Hunter College, New York, NY 08/2018 - 04/2022

Bachelor of Arts in Computer Science and Classical Studies, Magna Cum Laude

Minors in Mathematics and Music.

Member of Phi Beta Kappa and Eta Sigma Phi honor societies, and recipient of the Macaulay Honors scholarship.

GPA: 3.885

Relevant classes: Data Structures and Algorithms, Operating Systems, Network Security

Experience

Full Stack Web Developer, Remote 08/2023 - Present

DataMixMaster, LLC

- Joined as employee #3 in a data science startup founded by an NYU professor of Computer Science. Within a two-week sprint, committed code on both the front end and back end that went into production, leading to increased product functionality.
- Client outreach and management - when creating products for clients, ensured a minimum weekly communication to inform design decisions and goal orientation. Kept clients informed and involved throughout the product development process, from ideation to release.
- Drafted and wrote a security policy tuned for threats to a small data science company, ensuring regulatory compliance and trustworthiness.
- Took an untested frontend and wrote tests for dozens of components with Jest, working towards total automated testing coverage and improving production uptime to over 99%.
- Set up and fine-tuned app status monitoring using StatusCake for instant downtime notifications, lowering response time when something breaks and increasing overall team stability.
- When contracted by the Structured Finance Association to build a knowledge hub, wrote both frontend designs to their specifications and a full set of RESTful API endpoints to serve it.
- Wrote a CRUD interface translating existing database calls from MongoDB to SQLAlchemy, allowing the company to work with clients preferring a variety of databases and providing for easy data processing. Implemented caching to reduce average response time.
- Wrote scripts to vectorize a database table of 10,000+ records using a HuggingFace LLM to leverage MongoDB's semantic Vector Search ML tool.
- Ran production builds on PythonAnywhere's cloud environment and Heroku, supporting consistent product availability.

Computer Science Instructor, New York, NY

East Harlem Scholars High School

08/2022 - 10/2023

- Without substantial prior experience leading full classes, instructed five sections of 17-26 students each. Designed and taught a class in a Harlem high school using online teaching materials adapted and personalized to a diverse student body.
- Taught Python to 100+ historically disadvantaged students across five sections for three semesters. Conveyed data structures, input/output, image manipulation, and some basic cryptography to students with a range of previous exposures; over 90% pass rate and several students continuing to college-level computer science after graduation.

Incident Response Intern, New York, NY

06/2022 - 08/2022

DOE, Security Incident Response Team

- Researched and responded to cybersecurity incidents on the Department of Education's citywide network of over 8 million hosts, including computer labs and personal machines assigned to students and teachers.
- Identified suspicious traffic using Devo SIEM, Microsoft Cloud App Security, and reverse IP lookup to flag accounts in need of remediation – typically up to 10 events daily – then remediated them by resetting credentials.
- Wrote scripts to automate filtering suspicious traffic using XSOAR, improving the throughput of the small six-person incident response team.

Core Skills

SOFT SKILLS: Verbal and written communication skills, client coordination, analytics and problem-solving, time management, teamwork.

FRONTEND: JavaScript, HTML, CSS, React.js, Next.js, React Native, Docker, Heroku

BACKEND: Python, Flask, UNIX, Linux, Git, GitHub, C++, pytest, Jest

DATABASE: MongoDB, SQL, SQLAlchemy, SQLite, Postgres

MACHINE LEARNING: TensorFlow, scikit-learn, numpy, HuggingFace

MISCELLANEOUS: Microsoft Office (Excel, PPT, etc.), LibreOffice, Notion, Google Workspace