Maximillan Yam

yam.maximillan@gmail.com | 917-288-9021

EDUCATION

Queens College | B.S in Computer Science   2023 - 2025
Queensborough Community College | A.S in Computer Science   2021 - 2023

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF)
AWS Certified Solutions Architect (SAA)
Pursuing Red Hat Certified System Administrator (RHCSA)

SKILLS

Languages: Java, Python, JavaScript, CSS, HTML
Developer Tools: AWS, Git, Docker, NATS, SQL Databases, Linux, Jira, Teams
Libraries/Frameworks: NodeJS, Angular, Spring Boot, Flask, React

EXPERIENCE

Department of Energy (PNNL)   Richland, WA
Software Engineering Intern   May 2024 - Present
- Developed a component of a distributed system, enhancing performance and efficiency, aligning with best practices for software development
- Engineered APIs to streamline communication between various services, contributing to more efficient software applications.
- Implemented a publisher/subscriber model for fault-tolerant communication between computers, increasing system reliability and uptime to meet project needs.
- Utilized Docker to containerize components, enabling multi-hub testing and ensuring robust performance and reliability.
- Built a full-stack application using React.js and Node.js for environment launch and database queries, improving system usability
- Collaborated with team members during technical design discussions to develop reliable software architectures, using Git for version control to manage and collaborate on codebases, which improved project efficiency and code quality

Headstarter AI   New York, NY
Software Engineering Fellow   July 2022 - Present
- Leading the development of five AI projects, with a final project aimed at achieving key metrics: 1000 waitlist sign-ups, 1000 account creations, and $1000 in revenue.

Research Foundation CUNY   New York, NY
Instructor   January 2023 - November 2023
- Taught an enrichment workshop that focused on building programming skills for pre-collegiate students, resulting in increased student engagement and understanding of programming concepts
- Utilized robotics to provide hands-on experience and visual representation of the code in action, enhancing students' practical understanding and interest in programming
- Created and implemented interactive lessons that catered to different learning styles and non-technical students, leading to improved student performance and satisfaction

Queensborough Community College   New York, NY
Computer Lab Assistant   June 2022 - August 2023
- Provided IT help desk support, resolving technical issues for users, which improved overall user satisfaction
- Installed and configured computer systems/software in accordance with company standards.
- Improved user experience by providing training and support on various applications and software programs

CUNY Research Scholars Program   New York, NY
Researcher   September 2022 – May 2023
- Conducted research on stock data using advanced machine learning algorithms, leading to improved prediction accuracy
- Utilized Python to implement robust machine learning models for predicting stock prices.
- Cleaned and preprocessed datasets to ensure high-quality data was fed into the models, resulting in more reliable predictions

Queensborough Community College   New York, NY
Python and Networking Tutor   March 2022 – June 2022
- Tutored students in the basics of Python programming and various networking concepts, leading to improved student performance and understanding
- Personalized each session to address each student's individual learning needs, resulting in higher student satisfaction and better grasp of the material

Projects

- Demographics System (In Progress)
- Personal Portfolio (In Progress)