Salma Omran

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EDUCATION

St. John's University | Master of Science in Data Science | December 2025
Currently an undergraduate student in a fast track program pursuing a dual degree BS/MS
St. John's University | Bachelor of Science in Computer Science | December 2024
Cumulative GPA: 3.98/4.0, Major GPA: 3.95/4.0
Dean's List Achievement, ACM Student Chapter, Google Students Developers Club

RELEVENT COURSEWORK

Computer Programming Fundamentals I & II: Strong basis of Java, OOP principles, polymorphism, recursion |
Advanced Data Structures: Implementation + application of Linked Lists, Stacks, Queues, Hashes, etc. |
Software Design Methods: Version Control (GIT), GoF Design Patterns, UML |
Theory of Programming Languages: LISP and C++ syntax, JavaCC, Lexical Analysis, BNF grammar.
Database Management Systems: SQL, ER data modeling, Relational Algebra, Normalization

PRACTICAL SKILLS

Java Expertise | Eclipse | Data Structures | Algorithms | HTML | CSS | Git | GitHub | VSCode | Python | JavaScript | AWS |
Public Speaking | Communication | Leadership | Google Firebase | React.js |

WORK EXPERIENCE

Headstarter *New York, New York*
Software Engineer Fellow *May 2023 - July 2023*
- Collaborated with a team of 2 to develop and deploy 3 full stack web applications with React JS, Google Firebase, MongoDB and Flask
- Acquired in depth knowledge of software engineering technologies and tools such as Agile, Git, CI/CD, and Agora
- Developed and maintained RESTful APIs using Node.js and Express.js to facilitate communication between front-end and back-end systems

Future Sphere *New York, New York*
Coding Instructor *May 2023 - Present*
- Inspired young students from 6 to 13 years old by teaching in a 1:12 teacher to student ratio
- Student curriculums are mainly comprised of Python and Java

CVS Pharmacy *New York, New York*
Pharmacy Technician *September 2021 - Present*
- Collaborated with a team of 4 technicians alongside the pharmacist, and filled a total of 500 scripts each work day
- Learned to work swiftly, efficiently, and most importantly accurately to ensure patient satisfaction
- Communicated with patients in a friendly demeanor and de-escalated concerns regarding insurance rejections, prescription readiness, etc.

PROJECTS

- Weather Web Application: Aggregates data on weather, air quality, and news for cities around the world by utilizing multiple different APIs including Open-Meteo API and News API. This project was created in light of the recent Canadian wildfire smoke that spread over to NYC as many of us citizens lacked important, consolidated weather information and news access to what was going on around us.

- Resume Parser: Offers a solution to a problem recruiters face, filtering through hundreds of job applications to find potential competent candidates based on their skills. Created using React.js, Node.js and Google Firebase, this web app allows the upload of resumes which are then parsed and stored in the database. Using the search bar, the recruiter can search the database for resumes that contain specific skills and keywords

CERTIFICATIONS

JP Morgan Chase & Co. – Software Engineering Lite Virtual Experience Program – April 2023
JP Morgan Chase & Co. – Agile Software Development Virtual Experience Program – April 2023

PERSONAL LINKS

GitHub: https://github.com/coderSalma
Personal Website: https://coderSalma.github.io