Aslam Azes

732-814-3074 | aazes5891@gmail.com | linkedin.com/in/aazes | github.com/aaa474

Education

Rutgers University - *New Brunswick, NJ* Sep 2022–Current

B.S. Computer Science; Minor in Mathematics | Graduation Date: May 2026

Experience

Laboratory Assistant Sep 2022–May 2023
The Ernest Mario School of Pharmacy *New Brunswick, NJ*

- Maintained 100+ confidential laboratory and student records to ensure accurate documentation and compliance with data privacy regulations
- Assisted in the handling, disposal, and storage of chemicals adhering to lab safety protocols to minimize hazards
- Collaborated with a team to trim laboratory operations, reducing inefficiencies and improving workflow
- Implemented a structured filing system in Excel for student records, improving accessibility and retrieval speeds

Projects

Interactive Portfolio Website | *React, Three, Tailwind CSS, Express, Node, Javascript, Python, MongoDB* Jun 2025

- Engineered a full-stack portfolio website to showcase projects and experiences, incorporating interactive UI panels and real-time effects using React, Three.js, and Framer Motion
- Connected a Python Flask backend with MongoDB to store and retrieve contact form submissions, enabling seamless communication between visitors and the developer
- Implemented modular project pages, animated transitions, and dynamic component visibility (e.g., hide/show interactive models) to enhance the user experience across devices

Quantum Circuit Visualizer | *Javascript, HTML, CSS, Python, Qiskit, Flask* Jun 2025

- Engineered a web-based quantum computing circuit simulator with an integrated drag-and drop interface, enabling users to build, edit, and simulate quantum circuits
- Integrated a Python Flask backend with Qiskit to execute quantum algorithms and visualize results, including Bloch spheres and measurement bar chart
- Implemented dynamic frontend logic with JavaScript to support multiple gates per timestep, tooltips, hover effects, and responsive design across devices

NJ Transit Railway System | *Python, JavaScript* Oct 2024

- Engineered a railway health monitoring simulation with a team of 2 to visualize and track NJ Transit railway conditions over time
- Developed a Python-based algorithm to assess railway degradation, dynamically updating a visual map with color-coded indicators (green to red) to represent track conditions
- Integrated JavaScript for front-end visualization, allowing real-time updates on railway health, improving predictive maintenance planning

Technical Skills

Languages: Java, Python, C, C++, JavaScript, HTML, CSS
Frameworks: React.js, Node.js, Express.js, Flask, Django, Three.js, Tailwind CSS, Qiskit, Framer Motion
Developer Tools: Git, MongoDB, MySQL, VS Code, Visual Studio, PyCharm, Postman
Platforms & APIs: ServiceNow, REST APIs, Google Cloud
Other: Microsoft Office Suite, G Suite, FastAPI, Docker