

Oways Jaffer

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EDUCATION

Rutgers University

Bachelor of Sciences in Computer Science

Relevant Coursework: Software Methodology, Deep Learning, Systems Programming

New Brunswick, NJ

Sep. 2021 – Dec 2025

EXPERIENCE

Software Developer Intern

PVE-IDE

Jan 2024 – Present

New York, NY

- Developed full-stack internal tool used to automate and streamline the creation of construction related reports by up to 50% in Flask, Mongo, Django, HTMX, and Bootstrap.
- Implemented repetition functionality by refactoring database management system, reducing template sizes by multiple fold.
- Made responsible for various bug fixes, improving site reliably and ensuring a smooth user experience for over 100 engineers.

Web Developer

Rutgers University

Oct 2023 – Present

New Brunswick, NJ

- Led the development and deployment of an educational web tool for exploring magnetic point groups on an Ubuntu server using AWS, Apache, PHP, and JavaScript, resulting in a seamless, user-friendly interface.
- Streamlined cumbersome manual calculations by ensuring all results are physically viable, and searchable within a database, greatly improving efficiency.
- Collaborated with researchers to integrate scientifically accurate features, significantly enhancing data management and research accessibility.
- The tool, available at kcqm.rutgers.edu, is a work in progress with future updates planned to incorporate HTMX and Svelte for better performance and fluidity.

Software Engineer Intern

ExterNetworks

May 2022 – Aug 2022

Piscataway, NJ

- Used MySQL Workbench to manage given databases, restructuring storage of user information while shadowing Software Engineer and Penetration Tester.
- Enhanced multiple services by using data directly from consumer reports to troubleshoot issues while Shadowing a Senior Software Engineer and Penetration Tester

TECHNICAL SKILLS

Languages: Java, C, C++, Bash, Python, JavaScript/TypeScript, Ruby, SQL, HTML.

Developer Tools: React, AWS, Node.js, REST APIs, Mobile Development, express.js, Git, Android ADB, Svelte Kit, Vite, Linux environments, PyCharm, IntelliJ, MySQL Workbench.

PROJECTS

Temperature Control Tool for Nvidia GPUs (Linux) | *Nvidia-smi, Shell*

Dec 2022 – Jan 2023

- Utilized bash and Nvidia-smi for an automatic temperature based fan control system. The base drivers had horrible temperate regulation and so this program allowed used to fine-tune it.
- Created log feature to record temperature and fan speed. This also essentially created a live variable for each fan, opening up the possibility of other features in the future.
- Rerouted mandatory .csv output through a fake display into a text file to bypass smi requirements, ensuring a smooth experience for the user.