Oways Jaffer
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Education

Rutgers University — New Brunswick, NJ
Bachelor of Sciences in Computer Science — *Aug. 2021 – May 2025*

Relevant Coursework: Software Methodology, Computer Architecture, Systems Programming

Experience

Software Developer Intern — Jan 2024 – Present
PVE-IDE — *New York, NY*

- Led the development and continuous enhancement of a vital internal tool, widely adopted by over 100 engineers, significantly improving the process of building inspection report generation. This involved rigorous bug identification and resolution, ensuring system reliability and user satisfaction.
- Implemented features that dramatically increased the automation of report creation, achieving up to threefold efficiency improvements. Worked intimately with a variety of technologies, including MongoDB, HTMX, Flask, Django, and Jinja2, to deliver robust full-stack development solutions.

Web Developer — Oct 2023 – Present
Rutgers University — *New Brunswick, NJ*

- Spearheaded the end-to-end development and deployment of an educational web tool on an Ubuntu server using AWS, Apache, PHP, and JavaScript to ensure a seamless, user-friendly interface for the interactive exploration of magnetic point groups.
- Collaborated with researchers to integrate scientifically accurate features, enabling robust data management and streamlined dataset updates, which significantly enhanced research accessibility and tool utility.

Software Engineer Intern — May 2022 – Aug 2022
ExterNetworks — *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.

Technical Skills

Languages: Java, C, C++, x86 Assembly, Shell, Python, Ruby, SQL, HTML, CSS, AHK
Developer Tools: React, Git, Android ADB, Svelte Kit, Vite, Linux environments, PyCharm, IntelliJ, Eclipse, MySQL Workbench, Microsoft Office, Adobe Suite

Projects

Temperature Control Tool for Nvidia GPUs (Linux) | *Nvidia-smi, Shell* — Dec 2022 – Jan 2023

- Utilized bash and integrated Nvidia-smi for automatic temperature based fan control.
- 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.