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

Dr. Ronald E. Mcnair Academic High School   Jersey City, NJ
Relevant Coursework: AP CSA, Introduction to Web Design   *Aug. 2018 – June 2021*

EXPERIENCE

Web Developer   Oct 2023 – Present
Rutgers University   *New Brunswick, NJ*
- Overseeing the project from start to finish. Developing complete logic. Ensuring a consistent and friendly user experience.
- Communicated with researchers to ensure the feature set was coherent in scientific terms. Not allowing impossible combinations of Magnetic Point Groups and allowing for easy access to datasets for researchers to update as needed.

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.

Photo Album App (Android) | *Java, Maven, Git*   Nov 2022 – Dec 2022
- Developed an Android app with Android Studio for creating and managing photo albums.
- Implemented tagging functionality using SQLite database.
- Utilized the Android framework along with Maven for app design and development.

Media Management Desktop Application (Windows) | *JavaFX, JSON*   Oct 2022 – Nov 2022
- Developed a Windows desktop application utilizing JavaFX for the GUI.
- Added features allowing for multiple users with individual properties using Java serialization. Included admin user to manage profiles.
- Allowed users to transfer copy items between albums by using an absolute path and JSON objects, ensuring no duplicates.