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

Dr. Ronald E. Mcnair Academic High School Jersey City, NJ
Relevant Coursework: AP CSA, Introduction to Web Design *Aug. 2018 – June 2021*
GPA: 3.7

EXPERIENCE

Software Engineer Intern May 2022 – August 2022
ExterNetworks *Piscataway, NJ*
- Used MySQL Workbench to manage given databases restructuring storage of sensitive information.
- Enhanced multiple services using data from consumer reports.
- Shadowed Senior Engineer and Penetration Tester learning to secure large networks.

PROJECTS

ArchOC (Linux) | *Shell, Bash, JavaScript, SvelteKit* Mar 2023 – Present
- Using SvelteKit to make a GUI
- Enabling users to modify voltage offsets on their hardware without the need for a terminal. Hardware includes CPU and GPU for now
- Allowing users to create their own fan curves with temperature nodes.
- Toggle features with ease and load other users' config files.

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

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.
- Rerouted mandatory .csv output through a fake display into a text file.

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 for users to transfer copy items between albums by using an absolute path, ensuring no duplicates.

TECHNICAL SKILLS

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