

Oways Jaffer

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EDUCATION

Rutgers University

Bachelor of Sciences in Computer Science

Relevant Coursework: Software Methodology, Computer Architecture, Systems Programming

New Brunswick, NJ

Aug. 2021 – May 2025

Dr. Ronald E. McNair Academic High School

Relevant Coursework: AP CSA, Introduction to Web Design

GPA: 3.7 / 4

Jersey City, NJ

Aug. 2018 – June 2021

EXPERIENCE

Software Engineer Intern

ExterNetworks

May 2022 – August 2022

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.

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

ArchOC (Linux) | *Shell, Bash, JavaScript, SvelteKit*

Mar 2023 – Present

- Using SvelteKit to make a GUI and have pages load instantaneously, making UI feel faster
- Enabling users to modify voltage offsets on their hardware without the need for a terminal by using shell commands. Hardware includes CPU and GPU for now.
- Allowing users to create their own fan curves with temperature nodes using JSON Objects.
- 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 with Android Studio 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. This also essentially created a live variable for each of them.
- Rerouted mandatory .csv output through a fake display into a text file to bypass smi requirements, ensuring a smooth experience.

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 and JSON objects, ensuring no duplicates.