

# OMAR AL-JAAFARI

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## WORK EXPERIENCE

Software Engineer Intern — *Idaho National Laboratory*

SEPTEMBER 2023 - PRESENT

- Assigned to work on Jenkins-based pytest regression test framework.
- Captured Minicom radio communication using Bash script.
- Contributed in the final testing and editing of software installation documentation.

## EDUCATION

Westminster University (pka Westminster College) – Salt Lake City, UT — Computer Science (BS), Applied Mathematics Minor – **4.0 GPA**

EXPECTED GRADUATION DATE: MAY 2024

Relevant Coursework: Software Engineering, Data Structures, Algorithms, Computer Networks, Artificial Intelligence (AI), Computer Graphics, Linear Algebra, Statistics

## PROJECTS

ECEP web dashboard improvement — *Westminster University*

JUNE 2023 - DECEMBER 2023

- Updated web dashboard utilizing React, TypeScript, and D3.js with a team for the Expanding Computing Education Pathways (ECEP) Alliance, funded by the NSF.
- Improved display of Utah high school computing enrollment statistics on mobile devices.

Fruit Rush (educational math game) — *Westminster University*

JANUARY 2023 - APRIL 2023

- Collaborated with classmates using **Agile** development practices, Unity, C#, Git and GitHub.
- Coded math problems to display, collected answers, and rewarded players if correct.

Database Creation Summer Research — *Westminster University*

JUNE 2022 - JULY 2022

- Built 2 relational databases using MySQL, Google Sheets, Python, and external data with a team.
- Delivered two presentations on the databases and their practical use to a general audience.

## OTHER EXPERIENCE

Disability Services & Testing Center Office Assistant — *Westminster University*

JANUARY 2022 - SEPTEMBER 2023

- Maintained confidentiality of office communications.
- Created a 3D-printed map of the school campus for visually-impaired individuals.
- Gathered data on the quantity of tests per semester using spreadsheets and observed any trends.

## SKILLS

Java, C#, Agile software development, HTML5, CSS, JavaScript, TypeScript, React, MySQL, Python, pytest, Git, GitHub, NumPy, Jenkins, Linux, C