

OMAR AL-JAAFARI

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(385) 276-2638

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, Networks, Artificial Intelligence (AI), Graphics, Linear Algebra, Statistics

WORK EXPERIENCE

Software Engineer Intern — *Idaho National Laboratory*

SEPTEMBER 2023 - PRESENT

- Developing Docker environment for CI/CD strategy to support pytest regression testing.
- Captured Minicom radio communication using Bash script to better observe any errors.
- Convey goals and progress of projects with a mentor.

PROJECTS

Utah High School CS Dashboard — *Research Project*

JUNE 2023 - DECEMBER 2023

- Updated web dashboard utilizing React, TypeScript, and D3.js for the Expanding Computing Education Pathways (ECEP) Alliance, funded by the NSF.
- Studied code and new concepts independently, leading to 10 notable fixes in the dashboard.
- Improved display of Utah high school computing enrollment statistics on mobile devices, leading to positive feedback.

Classroom Databases — *Summer Research Project*

JUNE 2022 - JULY 2022

- Built 2 relational databases using MySQL, Google Sheets, Python, and external data with a team.
- Found real-world data independently, converted it to relational classroom examples, and met 90% of team goals.
- Delivered two presentations on the databases and their practical use to a general audience.

Other Projects

- Mobile application - Senior Capstone project (August 2023 - present)
- Fruit Rush – educational math game (January 2023 - April 2023)

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.
- Preserved email, phone, and in-person operations on days with no other staff in office.

SKILLS

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