

ABDULLAH MOHAMMAD ALI

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Education

James Madison University

Harrisonburg, VA

Bachelors of Science in Computer Science, 3.74 GPA

08/2021- 12/2024

- **Awards:** Lane Computer Science Scholarship, James Winston Mays Memorial Scholarship, Presidents List, Dean's List
- **Volunteering:** DIGITAL: 2023, madiSTEM: 2023, Refugee Summer Camp: 2022, Valley Scholars Computer Build: 2022
- **Selected Coursework:**
 - * Software Engineering: Experienced using Git and Agile to assist the completion of a group project.
 - * Application and Web Development: Used HTML, CSS, SQL, and PHP to create a website, and then hosted it on Microsoft Azure.
 - * Computer Systems: Learned designing and implementing safe, concurrent systems, utilizing various synchronization techniques, and evaluating IPC methods, with a strong understanding of concurrency and parallelism distinctions.

Experience

Human Computer Interaction Institute, CMU

Pittsburgh, PA

REU Research Intern

05/2023 - 08/2023

- **Established partnerships with 4 senior centers, facilitating recruitment of 38 participants** through both online and onsite strategies.
- Led, observed, and **independently conducted 50% of interviews, trained fellow interns** in interview techniques, and organized data relating to AI Research using affinity diagramming to reveal insights and themes.
- **Currently pending publication for CSCW/DIS 2024.**

Computer Science Department, JMU

Harrisonburg, VA

Research Assistant

08/2023 - 12/2023

- Restructured student music submissions as input data for the algorithm.
- Created a machine learning algorithm for automated music grading.

Lead Teaching Assistant

12/2022 - Present

- Managed and supervised teaching assistants during lab hours, fostering a cohesive and effective team.
- Maintained a structured atmosphere within the TA room, clarifying student uncertainties regarding projects related to C, Python, or Java assignments.

Computer Science Ambassador

01/2022 - Present

- Created ties between the Computer Science Department and local educational organizations, fostering valuable partnerships.
- Collaborated in the design and facilitation of STEM-focused workshops tailored for K-12 students, igniting enthusiasm for science and technology.

Student Projects

Unix Shell

Fall 2023

- Built a command-line shell that operates similarly to the bash shell.

IMDB Movie Finder

Fall 2022

- Developed an object-oriented programming (OOP) application for intuitive IMDb-based movie searches.

Technical Skills

Languages: C, Python, Java, JavaScript, PHP, SQL

Developer Tools: VSC, Eclipse, Git, Microsoft Azure

Technologies/Frameworks: React, linux