

Asiya Aliye

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering, Tempe, AZ

Expected December 2025

Bachelor of Science, Computer Science

GPA 3.6/4.0

SPECIALIZED SKILLS

Programming Languages: Java, C, C++, Prolog, HTML, CSS, Python, JavaScript

Tools, Databases, and OS: Visual Studio Code, Command Line (ci/cd), Eclipse, IntelliJ, GitHub, Linux/Unix

Relevant Coursework: Computer Organization and Assembly Language, Data Structure and Algorithms, Intro to Software Engineering, Principles of Programming Languages, Operating System, Introduction to Theoretical Computer Science

Interests: Artificial Intelligence, Robotics, Front/Back End Development

ACADEMIC PROJECTS

Graph Processing and Algorithm Implementation with Modular Design

November 2023

CSE 310 Data Structure and Algorithms

- Designed functionalities for reading in directed and undirected graphs from files, processing instructions from stdin and executing actions.
- Provided modular designs for min-heap, stack, graph algorithms, and data structures facilitating code readability.
- Implemented stacks for DFS and applied Dijkstra's algorithm for efficient path computation.

Memory Allocation Team Project

November 2023

CSE 360 Intro to Software Engineering

- Showcased sophisticated memory allocation strategies preventing memory leaks.
- Led one risk reduction prototype initiative for an implementation aspect of EffortLogger V2.
- Formulated concise testing techniques for prototype to ensure effective risk mitigation.
- Leveraged Github for efficient code sharing and collaborative work with team members.

OTHER WORK EXPERIENCE

American Eagle Outfitters, Sales Associate, Tempe, AZ

August 2019 - August 2023

- Provide exceptional customer service while collaboratively working with team members to optimize customer experience.
- Demonstrate remarkable communication skills to provide customers with informed suggestions regarding clothing options and available inventory at specific locations.
- Maintaining a clean and well-organized sales floor that optimizes customers experience and boosts sales performance.
- Exemplify an innovative approach to problem solving and decision making skills when addressing customer problems.

HonorHealth Osborn Hospital, Volunteer, Tempe, AZ

May 2017 - February 2019

- Provide compassionate desk service to guests while collaboratively working with team members to create an exceptional experience.
- Demonstrated cultural competency by effectively engaging with individuals of all ages and of diverse cultural backgrounds.
- Collaborate with team members to ensure visitors' needs are met.

Awards and Clubs

ASU Dean's Lists

May 2023

Black Student in Computer Science, **Co Founder**

December 2023 - Present

Women in Computer Science

August 2022 - Present

National Society of Black Engineers

August 2021 - Present