

# Asiya Aiye

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## EDUCATION

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

**Expected May 2025**

Bachelor of Science, Computer Science

**GPA 3.6/4.0**

## SPECIALIZED SKILLS

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**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, Security System, Web Development

## ACADEMIC PROJECTS

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**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

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**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

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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