Murad Alhassen

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EDUCATION

B.S. Computer Science Expected 05/2027

Arizona State University, Tempe, AZ **3.75 GPA**

RELEVANT PROJECTS

JPMorgan Chase & Co. - Software Engineering Virtual Experience (Certificate) 06/2024 – 08/2024

- Actively learning stock price data feed interface, utilizing JPMorgan Chase frameworks for data visualization, and displaying data visually for traders. Acquired skills in financial data analysis, **Python** programming, **Git**, **React**, **TypeScript**, and web application development.

Project Spyn, *Class Project* 08/2023

- Developed an autonomous car within a team that has the capabilities to obey traffic light controls and pickup/drop off passengers through light and motion sensors.
- Utilized **Microsoft Excel** to lead development planning and document project outlook and quality.
- Developed code within **MATLAB** to be programmed onto the car using an **Arduino** board.

Training With Fahmi, *Client Project (Website)* 08/2024

- Developed a user-friendly website using **HTML** and **JavaScript** for a personal training business, resulting in a **25% increase** in client bookings within the first three months.
- Implemented an online booking system that increased youth engagement by **40%** by improving accessibility and allowing clients to book sessions from any device.

JavaScript To-Do List, Personal Project 03/2024

- Created real time weather application using JavaScript
- Leveraged Open Weather Map **APIs** to pull accurate location data and display on the interface

C++ Tic-Tac-Toe, Personal Project

- Developed a replica Tic Tac Toe game using **C++** for a user to play against a computer AI.
- Implemented game logic to handle player inputs, validate moves, and determine game outcomes (win, lose, draw).
- Utilized **Object-Oriented Programming** principles to structure the game's components, improving code readability and maintainability.

EXTRACURRICULAR EXPERIENCE

Founder and President of Color Stack at ASU: Tempe, AZ 08/2024 – Current

- Developed a safe place and sense of community for over 30+ Black and Latinx students pursuing CS, projected to double in membership size over the next year.
- Plan on having CS focus driven technical meetings run by companies such as American Express, Meta, Amazon, Google, and much more.

Vice President of National Society of Black Engineers: Tempe, AZ 05/2024 **–** Current

- Led a dynamic annual fair, raising an impressive **$42,000** in funds and securing participation from 10 leading companies, while also orchestrating a 20-student delegation for a pivotal regional conference, showcasing exceptional organizational and leadership skills.
- Amplified user engagement by **30%** through proactive updates and alerts, while fostering collaboration with multiple industry leaders to invite guest speakers and actively engaging members through regular meeting presentations.

Communications Chair of National Society of Black Engineers: Tempe, AZ 08/2023 **–** 05/2024

- Handled the communication, networking and outreach for the NSBE chapter and its fellow members across all platforms.
- Kept NSBE members up to date with current events which led to a **20% growth** in member count.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, MATLAB, C++, Python, TypeScript

Front-End: HTML, CSS, React.JS, Material UI

Tools, Databases, and OS: Git, GitHub, Windows, MacOS, Word, Excel, API