TAWFIQ MOHAMMAD

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EDUCATION

Georgia Institute of Technology   **Atlanta, GA**

Major: *B.S. in Computer Science*, GPA: 3.9/4.0,

Relevant Coursework: Computer Networks, Data Structures and Algorithms, Machine Learning, Compilers and Interpreters, Applied Combinatorics, Robotics, Computer Architecture, Operating Systems, Advanced Algorithms

TECHNICAL SKILLS AND ADDITIONAL INFORMATION

Technical Skills: Java, JavaScript, ReactNative, Go, Python, MySQL, HTML/CSS, Flutter, C, Assembly
Languages: English (native), Arabic (fluent), Spanish (intermediate)

EXPERIENCE

Google   **May 2023 - Aug 2023**
Software Engineer Intern   *New York, NY*

- Spearheading the development of an innovative smart chip for Google Sheets aimed at implementing a user-friendly star rating system that, upon release, can potentially reach **millions** of Google Sheets users
- Utilizing my expertise in Java and JavaScript to design, develop, and test the smart chip, ensuring its seamless integration and robust performance within the Google Sheets environment

Google   **May 2022 - Aug 2022**
Software Engineer Intern   *Seattle, WA*

- Conceived and implemented a robust deployment completion classification procedure involving the cleaning and processing of over **two years** worth of deployment data using intricate SQL queries.
- Developed deployment completion projection formulas and calculated projections using Go
- Led the design and implementation of a dynamic and interactive visualization dashboard using HTML, CSS, and JavaScript, serving as a key tool for over **100 users** monthly

Georgia Tech Stadium-IoPT   **Aug 2021 - Jan 2023**
Machine Learning Engineer   *Atlanta, GA*

- Collaborating with a cross-functional team of two engineers and a project manager to develop a cutting-edge football play classifier using spatio-temporal analysis techniques
- Utilizing Python and Tensorflow for advanced data processing, modeling, and analysis, thereby creating a football play classifier with **83%** accuracy

VOLUNTEETING/PROJECTS

Automatic Garage Door Opener

- Built a garage door sensor that automatically opens the garage door whenever my car's license plate is detected
- Programmed it using Node-RED for the logic flow and Python on a Raspberry Pi wired to a breadboard

Geolocation Minigames

- Designed and developed game that utilizes user location and geofencing to display unique minigames to users
- Developed minigames in React Native and user data management in Google Firebase