AMSAL MOIZ

amoiz2 @cougarnet.uh.edu | (832) 941-9077 | www.linkedin.com/in/amsal-moiz | US Citizen

EDUCATION

University of Houston   Aug 2022 – May 2026

Bachelor of Science in Computer Science, Minor in Math — GPA: 4.0

Relevant Coursework: Data Structures & Algorithms, Computer Organization & Architecture, Algorithms and Data Structures, Program Design & Concepts, Discrete Mathematics, Computer Science & Program, AI Ethics, Fundamentals of Operating Systems, Database Systems, Software Design

EXPERIENCE

Peer Teacher – *Texas A&M Department of Computer Science*   Jan 2024 – May 2024
- Conducted and collaborated with a team to do weekly teaching sessions on various computer science courses
- Participating, educating, and overseeing in computer science labs
- Collaborated with teaching assistants of various computer science classes

Teaching Assistant – *Texas A&M Department of Computer Science*   Jan 2023 – May 2024
- Conducted weekly tutoring sessions, successfully assisting over 100 students in mastering coding fundamentals with C++
- Worked in a team to assess and oversee weekly labs for 25+ students, grade exams, and additional coursework evaluation
- Monitored a discord server to provide real-time assistance, feedback, and mentoring, enhancing students' learning experiences and performance.

Busser/Server – *Umami Restaurant*   Aug 2021 - Dec 2021
- Maintained a clean, organized dining environment by swiftly bussing tables, refilling beverages, and resetting stations to ensure exceptional guest experiences.
- Collaborated with servers and kitchen staff to meet customer needs efficiently during high-volume shifts, enhancing overall service speed and accuracy.
- Assisted with customer requests and provided a friendly, welcoming atmosphere, contributing to positive guest interactions and repeat business.

Internship – *Galaxy Payment Systems*   June 2021 – Jul 2021
- Helped to ensure incoming requests are handled in a timely manner and communicating with other teams to help customers get started.
- Accessed and understood account information, billing information, transaction records, terminal details, and any associated account profiles

ACADEMIC AND PERSONAL PROJECTS

Personal Finance App | Node.js, Express, MongoDB, React   Aug 2024
- Designed and implemented a full-stack web application for tracking personal expenses, utilizing Node.js and Express for the backend API and MongoDB for data persistence.
- Integrated user input validation with express-validator, ensuring data integrity and providing meaningful error messages to enhance user experience.
- Deployed the application to a cloud environment, allowing real-time data access and ensuring scalability for future enhancements.

Satisfaction Scanner (HowdyHack) | Python, OpenCV   September 2023
- Developed software utilizing camera input to identify and categorize user emotions into satisfied, unsatisfied, and neutral, using Power BI for data storage
- Collaborated in a 24-hour team effort to develop functional software, utilizing machine learning techniques and Git
- Employed Python and libraries like PyQT5 for a user-friendly interface and OpenCV for facial recognition software

LEADERSHIP EXPERIENCE AND ACTIVITIES

Aggie Coding Club – *Member*   August 2023 – May 2024
- Member of startup called Rogo, utilizing C++ and Arduino to create a device that delivers real-time workout insights.
- Participated in workshops to expand knowledge of programming.

ADDITIONAL INFORMATION

Computer Skills: Proficient in Python, C/C++, Java, Git, HTML, CSS, JavaScript, React, API, Linux, SQL
Interests: Chess, Reading, Hiking, Movies, Volunteering, Cooking, Basketball
Awards/Certifications: Eagle Scout, Google IT Support Professional, Microsoft Office Word Specialist