

I am a motivated third-year mENG student pursuing a degree in Computer Science and Software Engineering. I am deeply interested in research areas such as computational neuroscience, healthcare, and Artificial Intelligence, particularly in Machine Learning and Human-Computer Interaction (HCI). My passion also extends to data analysis, visualization, and the development of speech and language technologies.

PROFESSIONAL EXPERIENCE

RTA & KEOLIS-MHI

Student project intern

September 2024 - Ongoing

Selected by the university to participate in a prestigious internship, tasked with developing solutions to key challenges faced by the company. Over the course of the project, I collaborated with cross-functional teams to propose innovative solutions. My concept was ultimately chosen by the team to be presented to the CEO and board of directors for potential implementation.

VR/AR Lab at University of Birmingham

August 2024 - Ongoing

Student research assistant

Participated in an undergraduate research program focused on AI/AR, learning advanced techniques and attending workshops. Promoted from intern to assistant after contributing significantly to lab projects. Currently working on research papers linked to VR, AR, and computational neuroscience. Responsibilities include conducting literature reviews and assisting with systematic reviews and research papers, one of which is being submitted to the CHI Conference.

ARME Lab at University of Birmingham

August 2024 - Ongoing

Undergraduate student researcher

Collaborated with PhD students on a project focused on AR and human synchronization, contributing to literature reviews and developing code to remove backgrounds from recorded videos for AR integration. Promoted from intern to research assistant after demonstrating significant contributions to the project, including hands-on involvement in literature reviews and research development.

Google Deepmind

June 2024 - September 2024

Student research intern

Participated in a program designed to prepare undergraduates for postgraduate research. Conducted AI/AR-related research, learning advanced techniques, and attending workshops. This experience led to my advancement and eventually joining the ARME Lab.

ARME/VR LAB at University of Birmingham

July 2024 - August 2024

Undergraduate student intern

Collaborated with PhD students on PhD project in Augmented Reality (AR) and human synchronization, worked on conducting literature reviews, developed code to remove background from recorded videos to work in the AR scape
<https://virtualrealitylab.netlify.app/people/>

Association for Computing Machinery (ACM) at University of Birmingham

August 2024 - Ongoing

Executive member

I am responsible for organizing and hosting events, workshops, and competitions. As well as increasing student engagement through social media and marketing; ensuring that our initiatives align with the chapter's mission to enhance members' skills and networking opportunities in computer science and technology.

Zero Gravity

March 2024 - Ongoing

Student Mentor

I guide students through university applications by developing personalized strategies, leveraging my own experiences to help them craft compelling applications and secure offers. Enhancing my skills in communication, empathy, and leadership while positively impacting students' educational trajectories.

School of Computer Science at University of Birmingham

October 2023 - Ongoing

Computer Science Student Ambassador

Representing the department to prospective students and families by preparing and delivering presentations, leading campus tours, and participating in open days and Q&A panels. Enhancing my skills in communication, adaptability and interpersonal skills while promoting our program.

Arab Society at University of Birmingham

December 2023 - May 2024

Social Media and Marketing Manager

I oversaw the creation and execution of marketing strategies across various platforms, managed content development, and engaged with our community to boost visibility and participation in events. Refining my skills in digital marketing, content creation, and audience engagement

EDUCATION

University of Birmingham

mENG Computer Science and Software Engineering

Predicted to graduate with a 1:1

September 2022 - Ongoing

Uptown International School

International Baccalaureate

41/45 - Honors distinction in Chemistry, Mathematics and Business

HL Biology (6) , Chemistry (7) , Arabic B (6)

SL English (6) , Mathematics AA (7) , Business (7)

EE/TOK - B

September 2019 - May 2021

SKILLS

Programming Languages: Python, Java, C, Haskell, R

Data Analysis & Processing: Data analysis, data processing, data mining, statistical analysis

Statistical Methods: Statistics

Tools & Technologies: SQL, Excel, TensorFlow

Research & Machine Learning: Machine learning, statistical analysis, data structures