Mohammad Ammar Ahed Shaker Asir

(216)-255-0226 | malshakeralaseer@gmail.com | www.linkedin.com/in/MohAsir | mohammadasir.com

EDUCATION

Trinity College   **Hartford, CT**
Bachelor of Science in Economics and Computer Science   *Expected May 2025*
- **GPA**: 3.74/4.00
- **Relevant Coursework:** Software Engineering, Artificial Intelligence, Computer Networks, Analysis of Algorithms, Data Structures & Algorithms, Computer Systems, Mathematical Modeling, Discrete Mathematics, Database Systems.

PROFESSIONAL EXPERIENCE

Trinity College Campus Safety Department   **Hartford, CT**
Office Assistant   *March 2022 – Present*
- Enhancing the efficiency of record organization through streamlined document management processes.
- Managing precise record-keeping, tracking parking violations, entering parking ticket data.
- Coordinate dispatch between myself (as the primary operator), two shuttle services, and two access teams, exercising strong organizational and communication skills to ensure timely and efficient transportation and access for the college community.

Ard Labs   **Amman, Jordan**
Artificial Intelligence & Machine Learning Intern   *July 2024 – August 2024*
- Developed a machine learning model using the PyTorch framework, specifically PyTorch lightning to support a new feature for the ArabiaWeather App, serving millions of users worldwide.
- Prototyped a proof-of-concept for a feature that analyzes user-posted images from social media to predict weather conditions using image classification techniques.
- Project GitHub repository: https://github.com/MohammadAsir/weather_project/tree/main

Trinity College Economics Department   **Hartford, CT**
Teaching Assistant for Contemporary Microeconomic Issues   *September2023 – December 2023*
- Ensured fair and accurate evaluations, assessing and grading quizzes and assignments for 23 students.
- Led 12 weekly help sessions to enhance student comprehension and engagement.
- Individualized peer feedback to foster academic growth and independence through deeper understandings of course content.

Bantam Network Residential Learning Community   **Hartford, CT**
Resident Advisor   *September 2022 – May 2023*
- Mentored 30 First Years, aiding transitions to college life with formal and informal support systems.
- Led and coordinated eight community-building events to enhance resident engagement.
- Ensured safety through routine twice a week rounds, contributing to a secure living environment.

GRAPHGUARD

Undergraduate Researcher   *September 2024 – May 2025*
- Designed and implemented GraphGuard, a PyTorch framework combining graph neural networks and diffusion-based modeling to detect anomalous malware propagation patterns in dynamic graphs.
- Created 400+ synthetic dynamic graph trajectories on Cora and Amazon networks using GraphMaker, building custom data loaders, simulation scripts, and evaluation metrics for thorough analysis.
- Collaborated on planning, coding, and presenting, GraphGuard earned Runner-Up at the Travelers Companies Foundation Senior Research Symposium.

SKILLS & LANGUAGES

Programming Languages:	Python, Java, C, JavaScript, Assembly, SQL, NoSQL
Web Development:	HTML, CSS, JavaScript, React, Node.js
Frameworks and Libraries:	PyTorch, PyTorch Lightning, TensorFlow, Pandas, Matplotlib, NumPy
Tools and Platforms:	Git, AWS, Linux (including socket programing), Jupyter Notebooks, Bash, SQL