Hussain Alkatheri

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Education

University of Texas at Arlington – Arlington, TX   **Expected Graduation***: August 2024*
Bachelor of Science in Computer Engineering

Tarrant County Community College – Arlington, TX   *August 2022*
Associate of Science

Technical Skills

Programming Languages: C, C++, ARM Assembly, HTML, CSS, Verilog, Python
Technology: Git (GitHub), VirtualBox, Quartus Prime Lite
Hardware: Raspberry pi, ESP8266 & ESP32 (Espressif systems), FPGA
Operating Systems: Windows 10, Linux (Ubuntu), MacOS
Technical Coursework: Algorithms & Data Structures, Object-oriented Programming, Digital Logic Design, Computer Organization & Assembly Language, Embedded Systems

Experience

University of Texas at Arlington (College of Education) – Arlington, TX   *September 2021 – Current*
Receptionist
- **Visualizing student and faculty metrics** to support College of Education staff and management data-driven decision making.
- Providing administrative office services while publishing College of Education news and future events for interested students and staff on the website using Sitecore.

Leadership and Student Organizations

CSEC (Cybersecurity Club)   *November 2021 – Current*
Vice President
- Planning and hosting educational workshops, social events, and guest speaker and recruiter engagements for over **100+ students** aspiring to enter the cybersecurity field, wanting to make more informed decisions, or to learn general cyber hygiene.
- Collaborating with **20+ student leaders in 4-7 student organizations** for large scale projects and events while connecting with early cybersecurity talent at Tarrant County College.
- Created and hosted an interactive story based CTF competition for **20+ students** at HackUTA 2022.

Projects

Octa-Points
- Architecting and leading **15+ students** on a project creating a decentralized, NFC-based points tracking system with application integration for student organizations at UTA.
- Implemented Agile development methods using Jira software.

Term Design Project (ABET)
- Designed, implemented, tested, and documented the creation of Tiny Reduced Instruction Set Computer (TRISC) using Quartus Prime lite on FPGAs.

Hackathon Awards

HackSMU IV 2022 Winner: Best Blockchain Project Using Hedera
    Created a smart contract which would represent land deeds using their GPS coordinates.
HackDFW 2022 Winner: 2nd place best use of AI and ML for Edge Computing. Placed top 7 out of 110+ teams.
    Worked to use a ML model to scan google street view images for the Texas litter survey.
HackTX 2022 Winner: John Deere challenge winner
    Created an AR application that would allow autonomous tractors to be managed efficiently offsite.