

Hussain Alkatheri

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Summary

A technical innovation and vision driven creator leading, inspiring, and educating student peers.

Education

University of Texas at Arlington – Arlington, TX

Graduation: August 2024

Bachelor of Science in Computer Engineering (GPA: 3.3)

Technical Skills

Programming Languages: C/C++, ARM Assembly, HTML, CSS, Verilog, Python

Technology: Git (GitHub), VirtualBox, Quartus Prime Lite, React Native, Agile

Hardware: Raspberry pi, ESP8266 & ESP32 (Espressif systems), FPGA

Operating Systems: Windows 10, Linux (Ubuntu)

Technical Coursework: Algorithms & Data Structures, Digital Logic Design, Computer Organization & Assembly Language

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.

Manara Leadership Academy – Irving, TX

August 2017 – May 2018

Information Technology Internship

- Assisted Technology Manager in maintaining school technological resources across **three campuses for 150+ students** by setting up the computer lab, programming the bell system, troubleshooting issues, and managing mobile devices.

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 a CTF competition for HackUTA 2022

MOBI (Software Development Club)

August 2022 – Current

Projects and Awards

Octa-Points

- Architecting and leading while teaching 15+ students on a project creating a decentralized, NFC-based points tracking system with application integration for student organizations at UTA.

Term Design Project (ABET)

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

HackSMU IV 2022 Winner: Best Blockchain Project Using Hedera

HackDFW 2022 Winner: 2nd Place Best use of AI and ML for Edge Computing

HackTX 2022 Winner: John Deere Challenge winner