

Abdulkareem A. Alkhiary

(785) 341-6882 • abdulkareemadnan@outlook.com • <https://linkedin.com/in/AbdulkareemAlkhiary>

Education:

Kansas State University (KSU), Manhattan, KS
Bachelor of Science in Computer Engineering
Cumulative GPA: 3.6/4.0

Expected: May 2021

Relevant Coursework:

- Computer Design
- Computer Networking
- Design of Digital Systems
- Data & Program Structures
- Circuit Theory I & II
- Applied Scientific Computing
- Microcomputer Systems Design
- Object-Oriented Design, Implementation, & Testing

Skills:

- Engineering Tools: MATLAB, SPICE Tools, PCB Design/Layout
- Programming Languages: C, C++, C#, Java, JavaScript, Python, Verilog, HTML/CSS
- Fluent in both Arabic and English (Verbal & Writing)

Relevant Experience:

Research Assistant
Kansas State University

Aug 2018 - Present

- Developing a software (C#) that analyzes support structures under wind cycles to help Kansas Department of Transportation prioritize the repair or removal of such damaged structures
- Working on strengthening, formwork, caging, casting and lab testing concrete

eCommerce Business Owner, Manhattan, KS
Self-Employed

Aug 2017 – Aug 2018

- Managed buying and selling of goods online via third-party venues such as AliExpress.com
- Managed customer service, issue resolution and ensured high satisfaction for customers

Personal Projects:

FPGA VGA Arcade Game

- Developed a hardware/software (Verilog/C) SoC design on Altera DE1-SoC board that implements an arcade game on top of a VGA driver.

Smart Mirror

- Assembled a raspberry pi powered monitor behind a double-sided mirror.
- Programmed (JavaScript) the computer to display multiple panels containing various activities (weather, calendar, etc.)

Zaster Web Application

- Built an educational web application powered by the DragonBoard 410c running on Debian 9 Stretch to track the coordinates of the ISS using the NASA API. I also used the Hubblesite API to display recent news regarding astronomy (NodeJS, ExpressJS, Embedded JavaScript, CSS, HTML).

Leadership Experience:

Treasurer of The Saudi Cultural Club at KSU

May 2019 – May 2020

- Organized, co-hosted, and publicized events with over 200 attendees

Awards and Recognition:

- The Saudi Arabian Cultural Mission Full Scholarship Aug 2017 – Present
- Fulfilled all the Requirements & Obtained High School Diploma in 11 months Aug 2016 – July 2017