AHMAD KHAN

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EDUCATION

Duke University

Expected Major: Computer Science

📅 August 2018 – May 2022

IT

CompTIA A+ Certification

- Certification covering motherboard components and computer construction, as well as hardware/software troubleshooting Windows OS. Mastery of networking/linux basic concepts.

EXPERIENCE

IT Technician
Duke Medical School

📅 January 2019 – Present   📍 Durham,North Carolina

- Overseeing Duke Medical School network of devices using Jamf.
- Solving computer hardware and software problems on-the-spot for medical students.

Tutor/Grader
Eye Level Learning Center

📅 Oct 2016 – March 2018   📍 Bartlett,Illinois

- Directed and monitored graders, delegating tasks and ensuring completion of grading by specified deadlines.
- Tutored students (5-13 years old) in math and English, ranging from basic operations to geometry and grammar to essay structure

SKILLS

- Python
- Java
- HTML/CSS
- React.js
- Compliance and Security Practice
- Computer troubleshooting
- Troubleshooting multiple operating systems
- Thorough understanding of computer hardware

COURSES

Computational Methods in Engineering (Python)

Fundamentals of Electrical & Computer Engineering

Algorithms & Data Structures (Java)

Engineering Design & Communication

PROJECTS

GTHC - Game Tenting Help Center
Dec 2019 - Present

- https://github.com/GTHC
- Mobile and web scheduling application designed to improve K-Ville tenting experience and provide frustration-free scheduling.
- Primary responsibilities include front-end development using React.js and React-Router library

Computer Aquarium
Dec 2017 - May 2018

- Submerged micro-ITX motherboard in mineral oil filled fish tank.
- Placed a larger tank around the mineral oil tank and added aquarium life such as plants, fish, etc.
- Wired computer inputs to motherboard and sealed connections to prevent water seeping into ports.
- Computer remained fully functional including network connection and display output, external tank acted as system coolant.

Pneumatic Carrier Opener
Sep 2018 - April 2019

- Designed a pneumatic carrier opener for Duke Hospital Laboratory in order to address ergonomic concerns and lab efficiency.
- Device constructed using circuitry to power Linear actuators, Arduino controller used to program actuator movement with a pushbutton installed on device handle.
- Arduino and other circuitry integrated into pneumatic carrier opener in accordance to Duke Hospital standards.

The Green Path
November 2019

- https://github.com/Akhan221/resource-saver
- Rapidly developed a website using JavaScript React library and CSS styling; users input their monthly utility bill and receive instant statistical comparison to state and national averages.
- Website designed to psychologically motivate users to lower utility usage, positively contributing to the environment.