

Hamzah Issa

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Junior Electrical Engineering student at Texas A&M University seeking internship opportunities. Excited to implement my leadership and technical skills to provide value to your company.

Education

Texas A&M University | College Station, TX
Bachelor of Science in Electrical Engineering
Minor in Mathematics

December 2023
GPA: 3.9

Skills

- C++, Python, Verilog, SolidWorks, MATLAB, HTML, CSS, Arduino, Raspberry Pi, LT Spice
- Fluent English, Fluent Arabic, Intermediate French

Projects

Professional engineering projects I have worked on

- Managed a team of engineers that worked on a weather sensitive sunlight tracking solar panel that charges a lithium battery using Arduinos, breadboards, coding and various other components. Led my team on the software, hardware, and financial aspects of the project. **Spring 2022 - Present**
- Assembled and fabricated a functional water-resistant stopwatch cover for scuba divers under high water pressures using SolidWorks and 3D printers. **Fall 2019**
- Engineered an RGB infinity cube powered by a tesla coil with my team. **Spring 2020**
- Developed and designed my personal website where I talked about myself, my experiences, and projects using self-taught skills in HTML, CSS and GitHub. **Fall 2021 - Present**

Work Experience

Internship

Summer 2020 – Summer 2021

Engineering Intern | Bojamhoor Electrical and Mechanical company in Doha, Qatar

- Designed AutoCAD blueprints for the circuitry of internet servers, HVAC systems, distribution boards, low voltage boards, fire alarms and smoke detector systems in 13 public schools across the nation.
- Corresponded with engineering consultants and directed construction workers to follow the safety standards and the government's rules and regulations.
- Communicated with the Project Manager and numerous senior engineers on the daily project goals and assignments.
- Programmed Honeywell fire alarm and smoke detector devices.
- Supervised construction workers connecting the distribution board circuitry and laying the wire trunking in each building.

Engineering Peer Teacher

Fall 2020 – Spring 2021

ENGR 102 Engineering Lab I Computation and CLEN 289 The Engineering Profession

- Collaborated with professors to ensure students in the class were well prepared to implement and utilize Python in their engineering career.
- Administered finals, quizzes, and midterms throughout the semester.
- Responsible for grading and providing feedback on over 60 programming assignments per week.
- Researched engineering projects related to different engineering backgrounds.

Extracurricular Activities

HKN-IEEE Projects Team Officer

Spring 2021 - Present

Eta Kappa Nu National Honors Society | Texas A&M University

- Organized events that channeled academic and professional growth such as LinkedIn and resume workshops, corporate talks, and team building activities.
- Currently an officer for the projects team that focuses on soldering and circuit-building skills, learning how to financially optimize engineering projects and develop strong communication and project management skills.
- Planned meetings with other organization executives, company representatives, and professors to host work and academic related events.

SHPE Technical Division Team Member

Fall 2021 - Present

Society of Hispanic Professional Engineers | Texas A&M University

- Participated in many corporate events and general body meetings that gave an insight to what working in the industry is like.
- Developed relationships with members who share the same passion for innovation in engineering and attended events that focus on goal-setting and academic development.

Awards

- Achieved the Dean's Excellence Award – Honorable mention
- Succeeded at attaining Honors student at Texas A&M University

Peer-note taker

Fall 2019 – Fall 2021

- Assisted classmates with disabilities in numerous classes by sharing my well written notes and test reviews daily.