

# Hamzah Issa

[✉ hamzah.marwan@tamu.edu](mailto:hamzah.marwan@tamu.edu) | [\(682\) 808-2025](tel:(682)808-2025) | [🌐 Hamzah's Website](https://www.hamzahswebsite.com)

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.