



Detail-oriented and technical-minded Electrical Engineering student at Texas A&M University seeking to leverage my knowledge and experiences while also implementing my leadership and communication skills to assist you in changing the future.

## Experience

### Formula Electric Society of Automotive Engineers (SAE) at Texas A&M

Summer 2022 – Present

- Administered and coordinated the electronics team in executing and implementing elementary electric circuit design in the Formula vehicle to improve performance by 10-20%.
- Communicated with the various sub-teams with engineers from over 5 majors to successfully engineer the vehicle's design and allocated the correct budget for the project.
- Researched renewable energy storage systems technology to construct a more technologically advanced and efficient form of power for the vehicle.
- Revamped and managed project management procedures to ensure the electronics sub-team's goals, requirements, schedules, deadlines, and budgets are on track.

### Engineering IT Specialist

Summer 2022 – Present

- Assisted 200+ students, faculty, and staff in the engineering department at Zachary Educational Complex at Texas A&M by installing different programs, reimaging laptops, and computers, and providing technical support in classes.

### Society of Hispanic Professional Engineers (SHPE)

Fall 2021 - Present

- Operated and maintained the SHPE website while on the technical division team.

### Project Team Lead at Eta Kappa Nu National Honors Society (HKN-IEEE)

Spring 2020 – Summer 2022

- Spearheaded a team of engineers from 4 majors that worked on various projects throughout the year by utilizing both hardware and software components to achieve our goals.

### International Internship – Electrical and Mechanical Project Team

Summer 2020 – Summer 2021

- Interpreted 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 the Project Manager and numerous senior engineers from different engineering backgrounds on the daily project goals and assignments through Microsoft Teams, Zoom, and in-person meetings.
- 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

- Collaborated with 2 professors to ensure students in the class were well prepared to implement and utilize Python in their engineering careers.
- Administered midterms and final examinations throughout the semester.
- Responsible for grading and providing feedback on over 70 programming assignments per week.

## Education

Texas A&M University | College Station, TX

December 2023

Bachelor of Science in Electrical Engineering

Minor in Mathematics

GPA: 3.51

## Skills

- SolidWorks, C++, Python, MATLAB, HTML, CSS, LT Spice.
- English: Native or Bilingual Proficiency.
- Arabic: Native or Bilingual Proficiency.

## Personal Projects

- Engineered and fabricated a pressure and water-resistive stopwatch for scuba divers to use when under high water pressure using SolidWorks and 3D printers.
- Programmed and developed a mobile-friendly personal website where I discuss myself, projects, and experiences using self-taught skills in HTML, CSS, and Git.

## Awards

- Achieved the Dean's Excellence Award – Honorable mention.
- Succeeded at attaining Honors student achievement at The University of Texas at Arlington and Texas A&M University.