

## PROFILE

A technically advanced and solutions focused professional who is proficient in C, electronics, and embedded systems gives the confidence of excelling at a position within the tech industry. Possess excellent software and hardware design skills with the ability to excel in intense technical environments by bringing outstanding leadership and communication skills to interface with management, peers and build prolific teams with the highest motivation to service delivery excellence.

## EDUCATION

- Texas A&M University**, College Station, Texas **May 2019**
- Bachelor of Science in Electronic Systems Engineering Technology (Major GPA 3.2).
  - Minor in Cybersecurity.
- Houston Community College**, Houston, Texas **May 2016**
- Associate of Science in Engineering Science (GPA 3.6).

## EXPERIENCE

- Texas A&M Autodrive Challenge**, College Station, TX
- Embedded Systems Engineer* **September 2018 - May 2019**
- Designed embedded system to monitor current and voltage levels of sensors and subsystems of an experimental autonomous vehicle.
  - Collaborated on printed circuit board schematic and layout using Altium Designer 18.
  - Developed firmware for ARM based microcontroller in C/C++ to obtain sensor data via serial peripheral interface (SPI) or analog-to-digital-converter (ADC) and transmit it to a Robot Operating System (ROS) server.
  - Prepared technical documentation detailing power monitoring system and associated firmware implemented in vehicle.
- GFE Management & Consulting**, Houston, TX
- Intern* **June 2013 - August 2014**
- Prepared permit applications and reports for drilling and completion activities of oil and gas wells in Colorado.
  - Created database detailing contents of hard-copy based oil well records.
- United States Marine Corps**
- Rifleman*, 29 Palms, CA **August 2011 - April 2013**
- Perform maintenance and troubleshooting procedures on portable radio equipment to ensure communication.
  - Composed clear and accurate status reports of team activities to supervisors.
- Team Leader*, Washington D.C **April 2009 - August 2011**
- Supervised a team of four in performance of ceremonial duties at locations throughout Washington D.C.
  - Fostered professional and personal development of team members under direct supervision through monthly evaluation reports.

## ACTIVITIES

- IEEE-Tech**, College Station, TX
- Treasurer* **April 2018 - May 2019**
- Maintained financial records and cash flow statements for annual budget of \$30,000 to ensure compliance with student rules and regulations.
  - Led budget preparation for club fundraising and charity golf tournament.
  - Created periodic and ad-hoc financial reports for presentation to executive committee.
  - Organized inventory of stock increasing accessibility of students to tools and components.
  - Implemented purchasing procedures leading to 15% reduction in capital outlay and 10% improvement in fundraising returns.