**Summary**

Electrical engineering student with experience in circuit design and analysis. Seeking an internship in robotics to leverage my skills in MATLAB, SimUAid, and LabVIEW.

**Education**

Bachelor of Science in Electrical Engineering Anticipated May 2023

University of Houston, Cullen College of Engineering, Honors College

Cumulative GPA: 4.00

**Experience**

Applications Engineering Intern May 2022 - August 2022

Texas Instruments - Austin, Texas

* Worked with design, marketing, and sales teams to successfully launch five new products into the market
* Provided technical support to customers by reviewing designs and debugging problems
* Supported customer’s technical seminars and distributor training sessions

Electrical Engineering Intern May 2021 - August 2021

Valero - Port Arthur, Texas

* Developed and implemented process control schemes in unit control system
* Designed two programmable logic controllers for use in power distribution
* Troubleshooted instrument problems for Operations and Maintenance departments

Teaching Assistant, Computing for Engineers August 2020 - May 2021

University of Houston - Houston, Texas

* Assisted over 60 students in their learning of MATLAB
* Created assignments to test students’ understanding of MATLAB

Cashier May 2018 - August 2019

Blue Bell Creameries - Brenham, Texas

* Fulfilled customer’s orders in a timely and efficient manner
* Handled customer complaints and resolved issues

**Relevant Projects**

Project Zenith, Space City Rocketry

* Designed a circuitry system with only 2% efficiency loss to power onboard electronics
* Implemented and tested avionics equipment including a Telemetrum and Stratologger
* Led a successful test flight with an apogee of 21,500 ft. and a max speed of 1,150 miles per hour

PIN Diode Based Fire Sensor, Personal

* Built a sensor capable of detecting fires from a range of up to 20 feet
* Capable of detecting low power supply to give a warning alarm

**Relevant Coursework**

Systems Design I, Circuits and Systems, Digital Electronics, Analog Electronics, Automatic Control Systems, Electromechanical Energy Conversion, Digital Logic Design, and Microprocessors

**Skills**

Proficient with MATLAB, SimUAid, LabVIEW, WaveForms, OpenRocket, and Microsoft Office

**Honors**

Texas Instruments Top Performer Award August 2022

Dean’s List Fall 2019 - Present

Academic Excellence Scholarship Fall 2019 - Present

Cougar Engineer Scholarship Fall 2019

**Activities**

Space City Rocketry: Head Engineer, Member Fall 2019 - Present

Institute of Electrical and Electronics Engineers: Secretary, Member Fall 2019 - Present

UH Robotics Team: Member Fall 2022

UH Chess Team: Head Coach, Member Spring 2020 - Spring 2022