

# JOHN DOE

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## 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 Telemetry 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