

# Robert Clukey

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## OBJECTIVE

Seeking full-time position in robotics and automation engineering, or related.

## EDUCATION

**Texas A&M University**, College Station, Texas

May 2025

Bachelor of Science in Robotics Engineering (through Interdisciplinary Engineering)

Minor in Electrical Engineering

GPA: 4.0, Summa Cum Laude

## CERTIFICATIONS

Introduction to Artificial Intelligence Using Python, Harvard University

September 2023

- Studied TensorFlow and large language models.

Web Development Using Python and JavaScript, Harvard University

September 2024

- Used HTML, Python, and JavaScript to build custom websites.

## EXPERIENCE

**Contract Backend Developer Consultant**

October 2025 – November 2025

*MARVtech Inc.*

- Diagnosed and resolved issues with integrations to ensure reliable data communication between servers.

- Educated internal team on troubleshooting and diagnostics to guarantee future self-sufficiency.

## PROJECTS

**Department of Multidisciplinary Engineering**, Texas A&M University

August 2024 – May 2025

*Subsea Remotely Operated Vehicle (ROV) (Senior Capstone)*

- Led team of 5 in development of chassis and propulsion subsystems for subsea remotely operated vehicle (ROV).

- Designed to be smaller, more maneuverable, neutrally buoyant, and cheaper.

**Department of Mechanical Engineering**, Texas A&M University

August 2024 – December 2024

*Vending Machine*

- Fabricated and tested method for implementing vending machine through Arduino Mega microcontroller.
- Designed servo control algorithms on Arduino microcontrollers, integrating real-time sensor input using I2C.

**Personal Projects**

- Personal website: Coded personal web-based application using Python, HTML, JavaScript, CSS, and dynamic content.

## ACTIVITIES

**Interdisciplinary Engineering Association**, Texas A&M University

September 2022 – Present

*Treasurer, Alumni Advisor*

- Managed budget for 56 organization members and solicited companies for sponsorship.
- Advised freshmen about the relatively new major during engineering-wide events.
- Tutored and supported sophomores who had similar aspirations.

**Phantom Invents**, Texas A&M University

- Selected as one of 6-member competitive team, to create best solution for current military challenges.
- Devised, prototyped, and presented solutions to stakeholders and military personnel.

*Command Post System*

June 2023

- Improved command post structure to decrease set up and tear down times by 70%.

*Drone Defense System*

May 2024

- Created multilayered defense system against drone warfare, using RF-jamming and GPS-spoofing.

## SKILLS

Proficient in: Python, C/C++, HTML, MATLAB, SolidWorks, Multisim, Arduino, FPGA

Advanced Knowledge of: Verilog, LaTeX, Git, Linux, Java, Fusion 360, I2C, ROS/ROS2, Simulink, Cybersecurity

Familiar with: CSS, SQL, JavaScript, LT Spice, NI LabView, Microcontrollers, API, Webhooks

Other Skills: Stress/Strain Analysis, Project Management, Rapid Prototyping, Agile Development