

# Robert Clukey

(512)-203-9598    [linkedin.com/in/robert-clukey](https://www.linkedin.com/in/robert-clukey)    [rclukey.github.io](https://rclukey.github.io)    [bobby@clukey.org](mailto:bobby@clukey.org)

## 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

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.

## EXPERIENCE

**Contract Full-stack Developer**

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.

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

August 2024 – May 2025

*Subsea Remotely Operated Vehicle (ROV)*

- Led team of 5 in development of chassis and propulsion subsystems for subsea remotely operated vehicle (ROV).
- Designed to be smaller, more maneuverable, and cheaper than market leaders, and neutrally buoyant at depth.

## PROJECTS

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

August 2024 – December 2024

*Experimentation on Laser Calibration*

- Experimented with laser cutter speed and power parameters to identify optimal settings for material strength.
- Performed tensile strength testing on acrylic to evaluate mechanical properties, documenting and reporting findings.

**Raspberry Pi 5 Video Game**

January 2026 – Present

- Designed UART communication between Arduino and Raspberry Pi.
- Controlled user input with Arduino and video game with Raspberry Pi.

**Remote Controlled Car**

December 2025 – Present

- Designed in SolidWorks and Coded with C++ using Arduino IDE.

**Personal Website**

February 2025 – Present

- Coded personal web-based application using Python, HTML, JavaScript, 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.
- Tutored and supported sophomores who had similar aspirations.

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

*Drone Defense System*

May 2024

- 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.
- 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, 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