

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
Bachelor of Science in Robotics Engineering
Minor in Electrical Engineering
GPA: 4.0, Summa Cum Laude

May 2025

CERTIFICATIONS

Introduction to Artificial Intelligence Using Python, Harvard University
• Studied TensorFlow and large language models.

September 2023

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