Robert Clukey

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OBJECTIVE

Seeking an entry-level position related to robotics and/or mechanical design.

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 October 2025
MARVtech Inc.
- Diagnosed and resolved issues with integrations to ensure reliable data transmission 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 55 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, Simulink, Oscilloscope
Familiar with:	CSS, SQL, JavaScript, LT Spice, NI LabView, Microcontrollers, API, Webhooks
Other Skills:	Stress/Strain Analysis, Project Management, Rapid Prototyping, Agile Development