

# 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 Consultant** October 2025 – Present  
*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