Robert Clukey

512-203-9598 linkedin.com/in/robert-clukey/ people.tamu.edu/~rdc890444 bobby@clukey.org

OBJECTIVE

Engineering graduate seeking ~~an entry-level~~ position in robotics engineering.

EDUCATION

Texas A&M University, College Station, Texas May 2025
Robotics Engineering – B.S. Interdisciplinary Engineering
Electrical Engineering Minor
Summa cum laude, GPA: 4.0, Dean's Honor Roll

Coursework

Embedded Systems Development in C – Applied the C programming language to embedded systems
Electronics – Designed, built, and tested high-pass and low-pass amplifier circuits using transistors, op-amps, and diodes
Mechatronics – Devised and prototyped a vending machine using digital logic and analog circuited in mechanical systems
System Safety Engineering – Applied system safety analytical techniques to design process, using MIL-STD-882E

Certifications

Introduction to Artificial Intelligence Using Python Certificate, Harvard University September 2023
- Studied TensorFlow and other large language models.

Web Development Using Python and JavaScript Certificate, Harvard University September 2024
- Used HTML, Python, and JavaScript to build custom websites.

PROJECTS

Subsea ROV (Senior Capstone)

- Led development of chassis and propulsion subsystems for smaller, more maneuverable, and cheaper, next generation subsea remotely operated vehicle (ROV) design.

Vending Machine

- Fabricated and tested method for implementing vending machine with capacity of handling coins and products with Arduino microcontroller.
- Developed code, electronics, and hardware to control a vending machine.

Current Projects

- Personal website: Coded personal web-based application using Python, HTML, JavaScript, CSS, and dynamic content.
- Kryptos cipher: Conducted in-depth analysis of the Kryptos cipher, utilizing advanced decryption techniques.

EXPERIENCE

Interdisciplinary Engineering Association, Texas A&M University September 2022 – May 2025
Treasurer

- Managed budget and spoke with companies about sponsorship opportunities.
- Advised Freshmen about Interdisciplinary Engineering and what discipline entails.

Phantom Invents, College Station, Texas

- Participated in weeklong workshop with students and military to solve problems military is currently experiencing.
- Devised, prototyped, and presented solutions to stakeholders and military personnel.
- June 2023 project: Improved command post structure to decrease set up and tear down times by 70%, saving lives.
- May 2024 project: Created multilayered defense system against drone warfare as seen in Russo-Ukrainian War.

SKILLS

Programming Languages:	Python, C/C++, Verilog, HTML, MATLAB, LaTeX, Java, CSS, SQL, JavaScript	
Engineering Software:	SolidWorks, Fusion 360, I2C, ROS, Multisim, LT Spice, Simulink, LabView	
Languages:	Level 5 (ILR) – English	Level 3 (ILR) – Spanish
	Level 3 (ILR) – Italian	Level 3 (ILR) – Swedish