Skylar Araujo

Location: Stillwater, OK | Phone: (405)-334-0649 | Email: skylar.araujo@okstate.edu

Education

Oklahoma State University   Expected: May 2026

Bachelor of Science in Electrical and Computer Engineering   GPA: 3.1

Work Experience

EGR Casework | Millwork

Information Technology Specialist Intern   Dec 2024 - Present

- Software research and development. Utilized API's to pull, manipulate, and post json data. Programmed GUI programs in python.

Walmart

Dairy Associate   May 2023 – Dec 2024

- Duties include receiving and unloading FDD trucks, stocking products, and assisting customers on the sales floor.

Educational Technology Services

Student Technician   September 2023 – December 2023

- Duties included answering service calls, assisting professors with over the phone technical support, and assigning technicians to calls.

Organizations

Institute of Electrical and Electronics Engineers   September 2022 – Present

Global Member   January 2024 - Present

IEEE–OSU Club Treasurer   May 2024 – Present

Outreach and Volunteering

- Worked booth at 4H Robotics Competition to showcase electrical and computer engineering to K-12 students with the purpose of inspiring and promoting interest in STEM.

Leadership

- Inform underclassmen and peers of club activities, benefits, and opportunities.

- Manage club finances, funding, club expenses, and buy pizzas

Projects

Autonomous Drawing Robot – Powered by Raspberry Pi Pico W, programmed in C with the raspberry pi C SDK. Remotely activated via IoT webpage written with HTML/CSS and Javascript. Uses continuous servos and encoder sensors for odometry.

Monophonic Square Wave Oscillator – Square wave oscillator circuit using NA555P. Prototyped on breadboard with circuit schematic designed in Kicad. Wrote BOM for parts and manufactured PCB through JCLPCB. Through hole soldering for final design.

Skills

- Object Oriented Programming
- Java, C/C++, Python, Micropython, HTML/CSS, Javascript, ARM Assembly
- Unix and GNU/Linux
- IoT
- Embedded Systems
- Microsoft Suite
- Cadence Products, Pspice, Matlab, Kicad
- System Verilog
- Prototyping
- Throughhole/Surface Mount Soldering
- Microcontrollers, Raspberry Pi, Arduino