

Tomas Stephens

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OBJECTIVE

Looking for an internship to help me apply my skills in hardware, circuit design, and programming all while to continue to learn more about embedded systems.

EDUCATION

University of Central Florida

Orlando, FL

Bachelor of Science in Computer Engineering

August 2027

- Courses: Linear Circuits 1 | Differential Equations | Data Structures in C | Computer Organization

PROJECTS

Professional Portfolio Webpage | tstephens.dev

- Designed a personal webpage using HTML, CSS, and JavaScript to showcase projects.
- Managed website updates through Git commands and pushes to GitHub Pages.
- Designed a responsive interface optimized for desktop and mobile viewing.

Robotic Arm (In Progress) | IEEE Competition

- Building a servo-powered robotic arm controlled by an ESP32-S3 microcontroller.
- Integrating OpenCV for object detections and motion tracking.
- Developing interchangeable end-effectors including a camera, grabber, and a drawing attachment
- Coordinated safe power distribution between microcontrollers, servos, and sensors

Great Naval Orange Boat Rance | Intro to Engineering Lab

- Designed and constructed a 1x1 meter foam boat for an autonomous navigation challenge
- Created a detailed CAD model of the hull and internal structure using SolidWorks
- Programmed an Arduino microcontroller to automate servo movement for steering.
- Collaborated with a small team of classmates in order to fix design challenges and to improve automation

ACTIVITIES

Institute of Electrical and Electronics Engineers | Member

August 2024 - Present

- Participating in the Internal Projects Competition
- Attending hands-on workshops to strengthen skills in circuitry and PCB design

PROFESSIONAL EXPERIENCE

Rio Pinar Golf | Pro Shop

February 2025 - Present

- Operated specialized golf management software to coordinate payments and daily course operations.
- Ensured accuracy and operational efficiency through independent problem solving.
- Assisted members and guests with inquiries, ensuring professional and efficient customer experience

Bolay | Front of House

- Collaborated with team members to optimize workflow
- Managed cash handling, order accuracy, and efficient food service in a fast-paced environment

SKILLS

Programming: C, Java, HTML / CSS, Arduino, Assembly

Tools: Git/GitHub, Vivado, KiCAD

Hardware: Breadboarding, Soldering, Circuit Design