

# 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

*Bachelor of Science in Computer Engineering*

**Orlando, FL**

*August 2027*

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

## PROJECTS

### Professional Portfolio Webpage | [tstephens.dev](https://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 Race | 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