4255-898-3499 www.jason-shaw.com jmshaw@usf.edu

JASON SHAW

PROFESSIONAL SUMMARY

Motivated Electrical Engineering student with practical experience gained through hands-on support as a Teaching Assistant for foundational engineering courses. Developed strong technical skills maintaining a fleet of 3D printers, evaluating student CAD designs, and troubleshooting Arduino-based circuits. Proficient in technical documentation, version control, and collaborative development using modern frameworks such as Sphinx, Markdown, and Git. Passionate about applying electrical engineering principles to support student innovation, enhance classroom learning, and effectively bridge theoretical concepts with real-world applications.

ACTIVITIES AND INTERESTS

- Robotics and mechatronics projects
- Embedded systems development (ESP32, Arduino)
- 3D printing design and prototyping
- PCB design and fabrication
- Music and audio engineering (instrument creation)
- Philosophy and history exploration

KEY SKILLS

- Programming: Python, C++, HTML, CSS, JavaScript, GSAP, Md, LaTeX, rst
- Systems: Embedded Systems, ESP32, Arduino, Raspberry Pi
- Design: PCB design/fabrication, SolidWorks, AutoCAD, 3D Printing

WORK EXPERIENCE

Sales Associate
Turner Ace Hardware | Fernandina Beach, FL
January 2023 – August 2024

As a Sales Associate at Turner Ace Hardware in Fernandina Beach, FL (Jan 2023–Aug 2024), I delivered expert customer service across departments—advising homeowners on product selection, troubleshooting DIY projects, and processing transactions—while managing inventory tasks such as stocking, display setup, and pricing updates. I specialized in window and door re-screening, coordinating orders, diagnosing assembly challenges, and ensuring timely resolutions. Additionally, I handled register operations for purchases, returns, and exchanges, and consistently resolved customer concerns with courtesy and efficiency.

Teaching Assistant
EGN 3000L (Foundations of Engineering Lab) | USF
January 2025

As a Teaching Assistant for EGN 3000L at USF (Jan 2025–Present), I support 600+ freshmen in hands-on labs—covering circuit assembly, Arduino programming, CAD/3D-printing—and troubleshoot hardware/software issues in real time. I grade CAD models and reports with constructive feedback,

- Others: Customer Service, Instructing/Teaching

maintain and calibrate 15+ 3D printers, and co-author course documentation using Sphinx/ReStructuredText with Git-based version control.

EDUCATION

Bachelor of Science in Electrical Engineering
University of South Florida
June 2025