KATE LARKINS

Jackson, TN | larkinskatharine@gmail.com | www.linkedin.com/in/kate-larkins-258600259

EDUCATION

Tennessee Technological University – Cookeville, TN
Bachelor of Science in Electrical and Computer Engineering | 3.69 GPA
Expected Graduation: May 2028

EXPERIENCE

Tennessee Technological University – Cookeville, TN
Research Assistant | October 2024 – January 2026
Wearable Haptic Feedback Systems
- Developed wearable assistive devices to enhance daily functionality for individuals with disabilities.
- Prototyped hardware solutions for accessibility-focused technology.
- Programmed microcontrollers (Raspberry Pi Pico) to implement adaptive features.

Surface Mount Prosthetic Integration
- Designed and tested wireless power transfer systems and control circuitry.
- Fabricated 3D-printed prosthetic arm with embedded electronics.
- Gained proficiency in SMD soldering for reliable circuit connections.

SCI Technology – Huntsville, AL
Test Development Engineering Intern | January 2025 – Present
- Developing test systems and PWAs using SolidWorks (3D MCAD) and Altium (ECAD).
- Programming test sequences in NI LabVIEW/TestStand.
- Participating in test development processes, validation, and system fabrication.

Total Realty Source – Jackson, TN
Web Developer & Social Media Manager | January 2024 – Present
- Built and optimized a responsive website for seamless cross-device performance.
- Developed and executed content strategies to increase brand visibility and engagement.

SKILLS

- Embedded Systems & Microcontroller Programming (Raspberry Pi Pico, Python, C++)
- Hardware Prototyping & Circuit Design
- ECAD/MCAD (Altium, SolidWorks)
- Test Development & Automation (LabVIEW/TestStand)

HONORS & ACTIVITIES

- DevCatalyst Code Champion
- IEEE Member
- Tech Honors Council Chair / Honors Fellowship Society