

Cameron Hale

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EDUCATION

BS in Electrical Engineering, Tuskegee University **GPA 3.3**

SKILLS

Technical Skills - Load Distribution & Balancing, Circuit Installation & Protection, Energy Efficiency

Software & Tools -AutoCAD, LTspice, Multisim, Lab Instrumentation, VSS, Vercel, GitHub

Programming -Python, C++, HTML, MATLAB, JavaScript

Experience

Samkee America Inc. – Machining Intern | Tuskegee, AL | 09/15-Present

- Support machine production operations, including machine setup assistance and basic process monitoring.
- Perform quality control tasks and measurement checks to help maintain part tolerances and production standards; Contribute documentation and process improvements through observations, training updates, and standardization efforts.

Carter's Electric Co. – Apprentice Electrician | Richmond, CA | 09/23 – Present (Seasonal)

- Completed panel upgrades, circuit installations, and load balancing for HVAC, lighting, and other systems.
- Installed EV chargers, ran conduit, and upgraded lighting systems to improve energy efficiency and safety.
- Performed code-compliant installations, interpreted blueprints and wiring diagrams, and supported project coordination and material planning.

Projects

Residential Home Rewiring

- Performed full-home rewiring, replacing outdated conductors and installing new circuits for lighting, outlets, and HVAC systems.
- Upgraded electrical panel to accommodate higher power demands, including installation of circuit breakers and overcurrent protection devices.
- Tested and troubleshooted system after installation, performing voltage checks, continuity tests, and verifying grounding for safety and efficiency.

Engineering Portfolio Website

- Designed and launched a responsive portfolio using HTML/CSS, GitHub, and Vercel to highlight original engineering projects.
- Focused on content clarity, technical storytelling, and project structure for a professional user experience.
- AI tools for advanced debugging, layout refinement, and cross-browser optimization.

Theta TCC & Valve Body Process Review

- Reviewed and enhanced Process Training Manuals (PTM) and On-the-Job Training (OJT) guides for operators and inspectors, improving workflows for Theta TCC and Valve Body operations.
- Conducted hands-on inspections and facility comparisons using precision measuring tools and digital systems, analyzing machining processes and tooling applications.
- Identified efficiency, safety, and skill improvements, and delivered a comprehensive final report with findings and recommendations during a project performance review.