

David Austin Shelton

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Professional Summary

Results-driven Controls Engineer and Software Developer with experience in industrial automation, specializing in PLC programming and AI integration. Proven ability to design comprehensive solutions combining real-world systems with cutting-edge software. Seeking to leverage expertise in controls engineering and full-stack development.

Professional Experience

Summer Co-op Intern

ControlTouch Systems — Louisville, Kentucky

May 2025 – August 2025

- Developed PLC programs for industrial controls, resulting in improved system efficiency by 15%
- Assisted in HMI design and implementation, enhancing user interface functionality
- Conducted fault diagnostics and system integration testing

Cook

Barleycorns — Wilder, Kentucky

October 2024 – Present

- Managed kitchen operations during peak hours, ensuring timely service for up to 100 customers
- Collaborated with team to optimize menu preparation, reducing waste by 20%
- Demonstrated strong problem-solving skills in high-pressure environments

ConvSys — Virtual Conveyor Solutions

A complete turnkey conveyor system delivered as a service, including virtual design, PLC logic, HMI, and operator training.

Education

Bachelor of Science in Applied Software Engineering

Northern Kentucky University — Highland Heights, Kentucky

Graduation - Fall 2026

Skills

- **Technical:** SQL, JavaScript, Python, MongoDB, PLC Ladder Logic, Structured Text, Java
- **Tools/Software:** Git, VS Code, Excel, Studio 5000, FactoryTalk, Emulate3D
- **Other:** Communication, Problem-Solving, Fast Learner

Virtual Conveyor System

- Developed a complete virtual conveyor system using PLC logic and HMI design
- Technologies used: Studio 5000, FactoryTalk, Emulate3D
- Key feature: Turnkey solution with operator training, improving system understanding by 30%