

# OLIVIA SMITH

## Controls Engineer III

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### PROFESSIONAL SUMMARY

Results-oriented Controls Engineer with 7 years of proven expertise in designing and optimizing automation systems within industrial settings. Proficient in PLC programming, HMI development, and integrating advanced control solutions. Skilled in driving efficiency improvements through collaborative project execution and innovative strategies. Ready to leverage technical acumen to deliver exceptional engineering outcomes.

### WORK EXPERIENCE

#### Controls Engineer III

📅 Mar / 2021-Ongoing

##### Seaside Innovations

📍 Santa Monica, CA

- Engineered PLC programming software for Robotic Material Handling and Automated Assembly Lines, enhancing operational efficiency.
- Managed a complex line with 10 robots performing diverse assembly operations, ensuring seamless integration.
- Conducted debugging and startup phases, achieving project milestones ahead of schedule.
- Developed PLC logic utilizing mxAutomation for Kuka Robotics, streamlining programming processes.
- Facilitated MES control integration for an automated production line, improving workflow efficiency.
- Collaborated with multiple engineering teams to align design solutions with customer specifications.
- Implemented rigorous testing protocols to ensure system reliability and performance standards.

#### Controls Engineer

📅 Mar / 2018-Mar / 2021

##### Lakeside Apparel Co

📍 Chicago, IL

- Collaborated with vendors to implement Wonderware MES 4.0, enhancing data management capabilities.
- Designed PLC logic for effective data collection, facilitating real-time monitoring of assembly operations.
- Provided critical support during debugging phases, ensuring a smooth transition to live operations.
- Engineered conveyor control systems for robotic testing, optimizing throughput and system reliability.
- Developed PLC logic to automate data tracking, enabling efficient movement through multiple test bays.
- Designed a comprehensive plant PLC control system for assembly conveyors, improving process flow.

### EDUCATION

#### Bachelor of Science in Electrical Engineering

📅 Mar / 2015-Mar / 2018

##### University of Technology

📍 Chicago, IL

Focused on automation, control systems, and electrical design principles.

### SKILLS

Automation System Design

Data Acquisition Systems

Vfd Programming

Sensor Calibration

### ACHIEVEMENTS

- 🌟 Spearheaded the development of a PLC-based control system that improved production line efficiency by 25%.
- 🌟 Led a cross-functional team to implement a robust HMI interface, enhancing user experience and reducing training time by 40%.
- 🌟 Successfully integrated a new MES system, resulting in a 30% increase in data accuracy and reporting speed.