



Maverick Thomas

Control Systems Engineer

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STRENGTHS



Analytical Thinker

Leveraging systematic problem-solving skills has often resulted in discovering efficient solutions to operational hurdles.



Effective Communicator

Delivering succinct technical updates encourages organizational fluency and reduces misunderstandings across teams.



Team Player

Cultivating positive collaborations has led to higher collective achievements among engineering and maintenance groups.



Proactive Learner

Pursuing ongoing education within engineering disciplines ensure capabilities remain fluent amid technological advancements.



Adaptable Professional

Adjusting seamlessly between diverse roles in rapidly changing environments enhances both personal growth and team outcomes.

SKILLS

PLC Programming

Controls Engineering

Automation Solutions

Troubleshooting Skills

HMI Development

Sensor Technology Drives/VFDs

SUMMARY

Dedicated Control Systems Engineer with over 3 years of experience in PLC, automation, and controls engineering. Proven ability to maintain and troubleshoot complex automated systems across high-paced environments. Skilled in Siemens and Beckhoff PLC systems, software for analyzing equipment performance, project documentation, and minimizing downtime. Committed to delivering clear technical updates while collaborating with cross-functional maintenance teams to ensure operational excellence, safety, and efficiency. Eager to contribute strategic insights and fortify system reliability through informed decision-making and innovative solutions.

EXPERIENCE

Control Systems Engineer

TechDynamics 📅 January 2023 - Present 📍 Naperville, IL

Manage PLC-controlled automation systems ensuring top-tier operational standards. Collaborate with engineering and maintenance teams to improve system reliability across multiple production lines, focus on reducing faults and downtime through structured troubleshooting and clear communication.

- Monitor operation of PLC-integrated automation systems across diverse production circuits.
- Conduct fault diagnosis and implement corrective actions for conveyor and storage operations.
- Facilitate productive relationships between engineering and operational teams through regular performance updates.
- Ensure compliance with technical documentation standards for accuracy and clarity.
- Lead training sessions for junior engineers focusing on automation protocols and effective troubleshooting techniques.
- Successfully adapt operational strategies during peak activity periods, enhancing overall productivity.

Automation Engineer

Automation Innovators 📅 June 2021 - December 2022 📍 Aurora, IL

Played a pivotal role in the deployment of automated solutions aimed at maximizing throughput within warehousing operations. Enhanced operational designs by diagnosing faults in material handling equipment, facilitating smoother integrations of technologies.

- Developed procedures that led to a substantial increase in efficiency associated with warehouse operations.
- Participated in root cause analysis of installation issues, significantly improving system uptime.
- Engaged with stakeholders to optimize operational performance and streamline workflow processes.
- Documented preventative measures for recurring technical challenges, thereby contributing inventive solutions.
- Assisted in equipping staff with leading-edge technology training which fostered capability acquisition.
- Supported inter-team communications delivering timely updates to enhance coordinated responses.

Junior Controls Engineer

RoboTech Solutions 📅 March 2020 - May 2021 📍 Schaumburg, IL

Contributed to monitoring of automated warehouse systems boosting their functional capacity. Assisted expert colleagues in resolving intricate PLC problems, enriching personal expertise and first-hand experiences in control systems.

- Conducted preliminary diagnostic assessments addressing system failures under direct supervision.
- Collaborated in crafting straightforward operational protocols which aided team delivery.

Industrial Networking

Rapid Prototyping

System Integration

Project Management

Technical Documentation

Operations Optimization

Preventive Maintenance

Cross-Functional Collaboration

Risk Assessment

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



- Control Systems Engineer at TechDynamics (3.6 Years)
- Automation Engineer at Automation Innovators (1.5 Years)
- Junior Controls Engineer at RoboTech Solutions (1.2 Years)

- Engaged constructively within team initiatives aimed at bolstering equipment reliability through repair methodologies.
- Utilized analytics tools supporting reporting efforts to consolidate data-driven operational improvements.
- Instrumental in achieving higher responsiveness levels during technical support phases of incidents.
- Provided support in documenting troubleshooting experiences promoting a culture of knowledge sharing.

LEADERSHIP & AWARDS

- Received Excellence in Automation Award for outstanding contributions towards enhanced project efficiencies in 2023.
- Achieved Sustained High Performance Recognition for consistently maintaining superior system operability standards over two consecutive years.

EDUCATION

Bachelor's Degree in Electrical Engineering

University of Illinois 🎓 GPA: 3.5 📅 2020 📍 Champaign, IL

Coursework: Circuits, Controls Systems, Automation, Mechatronics

CERTIFICATIONS

- Siemens Certified PLC Programmer 📅 2021
- Beckhoff Automation Training Certificate 📅 2022

TECHNICAL SKILLS

- **PLC Systems:** Siemens, Beckhoff, Rockwell
- **HMI Software:** WinCC, Studio 5000, Twincat
- **Network Protocols:** PROFINET, EtherCAT, Modbus
- **Data Analysis Tools:** MATLAB, Simulink, AutoCAD
- **Simulation Software:** Arena, AnyLogic, FlexSim
- **Documentation Standards:** ISO 9001, IEEE, GMP
- **Diagnostics Software:** TIA Portal, Codesys, FactoryTalk
- **Maintenance Strategies:** Lean Manufacturing, Six Sigma, TPM
- **Training Programs:** Mentorship, Peer Learning, Workshops
- **Compliance Frameworks:** OSHA, NEC, NFPA

PROFESSIONAL AFFILIATIONS

- Member of the Society of Automation Engineers, engaging in discussions around innovations within industry practices.
- Volunteered for local STEM initiatives promoting educational opportunities in electrical and mechanical engineering.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST