

Madison Taylor

Expert Electrician | PLC Systems Specialist

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linkedin.com

Charlotte, NC



SUMMARY

Highly skilled electrician with a strong focus on PLC systems, eager to leverage over 5 years of experience in maintaining and troubleshooting electrical systems. Adept in a range of software including AutoCAD, SEE Electrical, and Solidworks. Recognized for reducing machinery downtime and increasing process efficiency through innovative practices.

EXPERIENCE

Senior PLC Engineer

Schneider Electric

2016 - 2021

Charlotte, NC

Responsible for designing, developing and implementing PLC systems and automation solutions.

- Performed repair, maintenance, and modernization of electrical systems for buildings and grounds, reducing downtime by 15%.
- Successfully handled 100+ complex emergency procedures ensuring swift resolution.
- Designed schematics using Autocad, SEE Electrical and Solidworks and increased process efficiency by 20%.
- Launched preventive maintenance initiative, resulting in 25% reduction in machine breakdowns.

Electrical Technician

ABB

2014 - 2016

Charlotte, NC

Performed highly skilled electrical work in installation, alteration, and repair of systems and equipment.

- Resolved mechanical and electrical issues on machinery, improving operational efficiency by 15%.
- Programmed and maintained PLC's, variable speed drives, starters, contributing to a 25% increase in production efficiency.
- Handled the maintenance and repair of motors and control boxes, decreasing equipment failure rates by 20%.

Junior Industrial Electrician

Eaton Corporation

2012 - 2014

Charlotte, NC

Assisted in maintenance and repairs of industrial electrical systems.

- Assisted in installing and removing electric controls, motor control centers, and programmable logic controls.
- Performed electrical lighting, signal, communication, and power circuits testing for quality assurance.
- Contributed to the development of procedures for lockout/tagout, improving workplace safety metrics by 10%.

EDUCATION

M.S. in Electrical Engineering

North Carolina State University

2010 - 2012

Raleigh, NC

STRENGTHS



Complex Problem-Solving

Successfully overcame numerous mechanical and electrical issues in machinery for over 5 years.



Detail-Oriented

Maintain high accuracy in detailed works like electrical lighting inspections, signal testing etc.



Team Player

Worked in diverse teams to install, maintain, and repair a variety of electrical systems.

SKILLS

Autocad	SEE Electrical	Solidworks
PLC Systems	Ethernet IP Protocol	
Studio 5000	FactoryTalk	
Connected Components Workbench		
Motor Control	Maintenance	
Emergency Procedures	Electric Controls	

CERTIFICATION

Ethernet IP Protocol Essentials

Completed a comprehensive course on Ethernet IP protocols by Cisco Networking Academy.

Advanced PLC Programming

Attained proficiency in PLC Programming with a course from Rockwell Automation.

PASSIONS



Continuous Learning

Passion for remaining at the cutting edge of technology through continuous learning and upskilling.



Electronics Hobbyist

Relax by tinkering with electronic components and creating small gadgets in my free time.



EDUCATION

B.S. in Electronics Engineering
University of North Carolina at Charlotte
2006 - 2010 Charlotte, NC

LANGUAGES

English Native ●●●●● Spanish Intermediate ●●●●●