

# Madison Taylor

Expert Electrician | PLC Systems Specialist

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Charlotte, NC

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## 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

### B.S. in Electronics Engineering

**University of North Carolina at Charlotte**

2006 - 2010 Charlotte, 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.