

Matthew Tomlinson – Clearline Electrical

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Overview

Dedicated Automation and Controls Engineer with a proven track record in the water and wastewater sector. Expertise in Allen Bradley control systems and gold certified in Ignition SCADAs. Proudly hold an EIT designation through the state of MN and am actively progressing towards obtaining a PE license. Passionate about driving innovation and sustainable solutions in water management.

Achievements

Minnesota Class “A” Master Electrician

Licensed by the Minnesota Department of Labor and Industry

Ignition Gold Certification

Gold certified in Inductive Automation’s “Ignition” 8.1

Engineer in Training

Certified EIT by the Minnesota Board of AELSLAGID

Education

University

Minnesota State University – Mankato, Electrical Engineering
Summa Cum Laude – 3.82

August 2018 - December 2021

Involvement

Institute of Electrical and Electronics Engineers

- Part of the Minnesota State University – Mankato student branch from fall 2019 – fall 2022

Work Experience

Clearline Electrical Solutions LLC. Minnetonka, MN

Owner

January 2025 - Present

Clearline Electrical provides contract work in the industrial automation sector. Specializing in Allen Bradley control systems and Inductive Automation’s Ignition SCADA systems. From new deployments to existing systems Clearline Electrical is a one stop shop.

Water Filtration OEM

Automation and Controls Engineer

January 2022 – Present

Automation and Controls Intern

May 2021 – January 2022

- PLC, HMI, and instrumentation programming
 - Allen Bradley PLCs, HMIs, and auxiliary equipment.
 - Various VFDs including Danfoss, Prominent, Allen Bradley, and Grundfos
 - Pneumatic manifolds such as Asco & Festo
 - Rosemount, Endress & Hauser, Hach and other instrumentation & transmitters
- SCADA development on the Ignition 8.1 platform utilizing both vision and perspective platforms
- Troubleshooting and startup support for existing and new customers
- Panel, instrumentation, and equipment factory acceptance testing & site acceptance testing
- P&ID, electrical schematic, and process control narrative review for various water treatment systems including UF, RO, and MBR.