# KYLE RASSWEILER

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Portfolio: www.kylerassweiler.ca | Github: www.github.com/rassweiler

## Summary

Robotics technician with over four years of experience. Experienced in embedded and software development, SCADA development, PLC programming, robot programming and maintenance, electronics design and repair, and assembly line construction and trials. Quick learner with strong troubleshooting skills.

## Skills

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| **Methodologies** | Kanban, Root Cause Analysis |
| **Networking** | Bluetooth, D-Link, Device-Net, HTTP/S, TCP/IP, UDP |
| **Robots and Controllers** | Kawasaki, Panasonic, Yaskawa-Motoman |
| **Logic Controllers** | AB, Mitsubishi, Omron, Toyopuc |
| **Electrical** | 24V wiring and troubleshooting, High voltage safety and troubleshooting, Arc flash, Motor controls |
| **Mechanical** | Mill, Lathe, CNC, Robot repair |
| **Welding** | Resistance, MIG, TIG, Stick, Laser |

## Projects

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| **Node-SCADA-System** | Designed a simple SCADA program to communicate with Mitsubishi PLCs over ethernet, using the MEAN stack and MCProtocol to capture and display cell data. Source: https://github.com/rassweiler/Node-SCADA-System |
| **Weekly Build History** | Weekly parts built counters based on current day and shift. This particular setup is a three eight-hour shift model, keeping track of parts according to hour of the day. In this setup any “Overtime” counts towards the next shift. |

## Experience

**Robotic Technician (Weld)**
*April 2014—Present*
FIO Automotive

Maintain condition of plant and utility equipment using mechanical, electrical, and computer knowledge.
Create and modify controller, laser, and robot logic as required.
Implemented a SCADA system I had created.

**Operational Technician**
*December 2012—April 2014*
Abbott Point Of Care

Maintain operation of plant lines by repairing malfunctioning equipment, performing preventative maintenance, and inspecting products.

**Associate Technician**
*July 2012—December 2012*
Abbott Point Of Care

Maintain operation of plant lines by repairing malfunctioning equipment, performing preventative maintenance, and inspecting products.

## Education

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| **Instrumentation and Control Technician Apprentice** | Algonquin College, Ottawa, ON. | *September 2013 – April 2014* |
| **Electro-Mechanical Engineering Technician Diploma** | Algonquin College, Ottawa, ON. | *September 2010 – April 2012* |
| **Computer Animation Advanced Diploma** | Algonquin College, Ottawa, ON. | *September 2007 – April 2010* |