

# Kyle Rassweiler

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Portfolio: <https://portfolio.kylerassweiler.ca> Github: [www.github.com/rassweiler](https://www.github.com/rassweiler)

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## Summary

**Engineering specialist** with experience in both software and hardware development with schooling focused on embedded development and robotics.

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## Skills

<b>Software</b>	Angular, Assembly(PIC), C++, CMake, Django, Git, HTML, JavaScript, Mongoose, Node, PHP, Python, React, Redux, Typescript, VBA
<b>Virtualisation</b>	Docker, Qemu/KVM, XCP-NG
<b>Systems</b>	Arch, Debian, FreeBSD/OpenBSD, Proxmox, Windows
<b>Databases</b>	MongoDB, MySQL, PostgreSQL, SQLite
<b>Hardware</b>	Arduino, Raspberry Pi, Zigbee

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## Projects

<b>React Pagination</b>  (Javascript, CSS, HTML, Node, React)	A Hatchways assesment for React front-end work. The project required the addition of a pagination system for a sample blog site.  Source: <a href="https://github.com/kylerassweiler/165b69">https://github.com/kylerassweiler/165b69</a>
<b>Random Quote Machine</b>  (Javascript, SCSS, HTML, Node, React, Bootstrap)	A FreeCodeCamp project that generates random tweetable quotes using React.  Website: <a href="https://codepen.io/kylerassweiler/pen/rNdJzY0">https://codepen.io/kylerassweiler/pen/rNdJzY0</a>
<b>Markdown Preview</b>  (Javascript, SCSS, HTML, Node, React, Bootstrap)	A FreeCodeCamp project that will preview markdown input into a seperate editor window.  Website: <a href="https://codepen.io/kylerassweiler/pen/LYdQmMz">https://codepen.io/kylerassweiler/pen/LYdQmMz</a>
<b>Krello</b>  (Javascript, SCSS, HTML, Node, React, Redux)	A simple Trello clone developed using react and redux with jest and enzyme for testing. Used Javascript, SCSS, and HTML to style the react components.  Website: <a href="https://portfolio.kylerassweiler.ca/posts/software/node/krello/">https://portfolio.kylerassweiler.ca/posts/software/node/krello/</a> Demo: <a href="https://krello.kylerassweiler.com/">https://krello.kylerassweiler.com/</a> Source: <a href="https://github.com/rassweiler/krello">https://github.com/rassweiler/krello</a>
<b>Kawasaki AS Parser</b>  (Typescript, SCSS, HTML, Node, Electron)	A Kawasaki robot backup parser library written in TypeScript.  Website: <a href="https://portfolio.kylerassweiler.ca/posts/software/node/kawasaki-parser/">https://portfolio.kylerassweiler.ca/posts/software/node/kawasaki-parser/</a> Source: <a href="https://github.com/rassweiler/kawasaki-as-parser">https://github.com/rassweiler/kawasaki-as-parser</a>

## Certificates

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### Free Code Camp

JavaScript Algorithms and Data Structures

July 2022

<https://www.freecodecamp.org/certification/kylerassweiler/javascript-algorithms-and-data-structures>

### Free Code Camp

Responsive Web Design

June 2022

<https://www.freecodecamp.org/certification/kylerassweiler/responsive-web-design>

## Experience

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### Engineering Specialist

PLC programming, Robotic Vision (Robeye system), 3D Factory Design, Robot programming, Project Management, Tools Programming (VBA, Powerbi, Electron).

2017 – Present

TEMA (Toyota)

### Robotics Technician

PLC programming, Robot programming, SCADA programming.

2014 – 2017

FIO Automotive

### Operational Technician

PLC programming, Robot programming.

2012 – 2014

Abbott Point Of Care

## Education

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### Electro-Mechanical Engineering Technician

Embedded development, plc programming, circuit and pcb design, motor controls, industrial robotics, microcontrollers.

Algonquin College

### Computer Animation

Traditional animation, 3d animation, rigging, modelling, python scripting, layout.

Algonquin College