

# Kurtis Parsons

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GitHub: <https://github.com/KuParsons24> • Portfolio Site: <http://kuparsons24.ddnsfree.com>

## Full-Stack Web Developer

Strong academic background in electrical engineering with significant hands-on experience gained through co-ops with leading engineering firms. Excellent project coordination and communication skills. Adept at interpreting highly complex information and transforming it into appropriate solutions. Knowledgeable in a broad range of automated controls, system integration and programming. Outgoing team-player who maintains a positive attitude and builds strong customer relationships to ensure successful completion of projects.

### COMPETENCIES

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|---------------------|-------------------------------------|---|
| • JavaScript        | • C++/C/C#                          | • SKM (Arc flash modeling)                  |
| • Node.js           | • Linux Bash                        | • Human Machine Interface (HMI) Programming |
| • Express           | • ARM Assembly                      | • Yaskawa Robot Programming                 |
| • React             | • Embedded Systems                  | • PLC (Allen Bradley & Siemens)             |
| • MongoDB           | • Project Coordination & Management | • Automated Controls                        |
| • SQL               | • AutoCAD                           | • MS Office                                 |
| • HTML/CSS          | • Electrical & Control Systems      | • Communication Skills                      |
| • Git               | • Sherlock Image Inspection         |   |
| • Computer Hardware |                                     |   |

### SELECT ACHIEVEMENTS

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- **Earned Regents Scholarship** at University of Toledo based on academic excellence.

### EDUCATION & CERTIFICATIONS

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**Bachelor of Science, Electrical Engineering**, The University of Toledo, Fall 2019

**Certification, DX200 Functional Safety Unit**, Yaskawa

**Certification, DX200 Basic Programming with Material Handling**, Yaskawa

### PROFESSIONAL EXPERIENCE

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#### ARCADIS

1/2020 - 12/2021

#### Electrical Engineer

*Arcadis is a global design and consultancy company providing electrical, infrastructure, civil, and mechanical engineering for natural and built assets.*

- Provided engineering support for senior engineers
- Created electrical drawing packages in AutoCAD
- Created one-line diagrams in SKM and ETAP for arc flash analysis
- Assisted in the completion and design of multidisciplinary projects

**NYSUS SOLUTIONS**

2/2018 - 1/2020

**Electrical Engineer Co-Op***Nysus is a leading provider of manufacturing execution and process automation in the automotive industry.*

- Designed, built, tested and troubleshoot end-of-line testing equipment for automotive wiring harnesses and bumper components, such as fog lamps and short-range radars
- Designed, assembled, programmed pick-to-light systems using Allen Bradley (AB) PLC with RSLogix
- Developed and implemented vision inspection systems
- Programmed Yaskawa robots and constructed cell caging and safety features
- Trained and educated customers on PC system integration and trained line workers on using updates post-implementation
- Facilitated and coordinated development of automation solutions for projects; collaborated, interviewed and established project scope, expectations and timelines with customers, partnering with senior engineers and other business units for successful implementation
- Provided on-site and remote technical support to troubleshoot customer issues

**LEANTRAK**

5/2017 - 8/2017

**Electrical Engineer Co-Op***LeanTrak provides electrical, civil and mechanical engineering services to the energy and manufacturing industries with a focus on creating sustainable solutions.*

- Created detailed electrical drawings in AutoCAD
- Designed cable tray and conduit layouts
- Assisted in preliminary designs for instrumentation solutions at customer sites
- Performed instrumentation and control testing for systems in the oil and gas industry

**KAP CONSULTING, LLC**

5/2016 - 8/2016

**Electrical Engineering Co-Op***KAP provides automation integration services using advanced knowledge of motion vision and motion control.*

- Programmed AB PLCs using ladder logic
- Resolved red lines for electrical prints in AutoCAD Electrical 2016
- Interpreted requests and built electrical control panels ensuring compliance with schematics
- Designed and programmed C-More HMIs
- Analyzed and interpreted electrical prints and electrical designs

**Special Interests****Cars**

- Rebuilt Motor in my Nissan 350Z among other various repairs.
- Cars have been an enjoyable way to learn mechanical systems as well as various electrical systems.

**Web Development**

- Portfolio Website: "<http://kuparsons24.ddnsfree.com>"
- Contact DB Crud App: "<http://kuparsons24.ddnsfree.com/crud>"
- Habit Tracker App: "<http://kuparsons24.ddnsfree.com/habit-tracker/>"