

Christopher S. Johnson

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I am a hard-working, compassionate, and detail oriented Electrical and Computer Engineer and outdoors enthusiast with an eye for sustainability and business operations. Currently enrolled in CAD classes at Front Range Community College; Solidworks, AutoDesk AutoCAD, Sketchup, Revit.

Professional Experience/Work History

Isotec Security Inc: Electronics Assembly Technician

(2024-Present)

- Electronic and mechanical assembly and troubleshooting using schematics, drawings, diagrams, and a wide variety of tools.

Artful Methods LLC: owner, support@artfulmethods.com

(2020-2024)

Website development, server and operating system configurations and installations, software tools development, hardware and software test engineering, data acquisition device usage, Node.js and Python development, system administrator tasks, i.e., remote desktop, software upgrades.

Example projects:

- 3D design and printing of wallet sized phone stands (walletstand.com).
- Python colorized graphical user interface (GUI) testing application ([stepwise-processes](#)).
- Contributed to Node.js unit testing library [nodeunit](#).
- Used: Atandra T-Hub, Intuit QuickBooks, Yardi PoS, Call Potential CRM, Wisenet Wave Sync NVR.

Multidisciplinary Engineer: LabJack, Lakewood CO

(2008-2020)

- Low latency LabVIEW data acquisition and data logging application LJLogM.
- Cross platform Node.js/Node-Webkit device control application Kipling.
- Public facing HTML/CSS/JavaScript Drupal CMS web views for device datasheets and managed Google Analytics and Google AdWords integrations.
- New-hire onboarding training and hardware testing materials with Google Docs.
- Internal test-jigs and LabVIEW, Python, and Node.js GitHub distributed testing applications.
- PCB design assembly, repair with Eagle and KiCad consisting of 0402 passives, microcontrollers.

Volunteer Ski Patroller: (Line Patroller): Eldora Ski Resort

(2016-2020)

OEC, CPR, First Aid, and Blood Borne Pathogens as a Ski Patroller at Eldora Ski Resort.

Teachers Assistant: CU Boulder "Clock Class"

(Fall 2012)

Oscilloscopes, adjustable AC/DC power supplies, circuit bring-up and debugging skills.

Education

Front Range Community College, Westminster, CO. Computer-Aided Drafting & Design

- Expected Graduation: Spring 2026.

Advanced SOLIDWORKS, Revit, SketchUp Certificates from F.R.C.C. – Spring 2025

Basic Computer Aided Drafting and Design Certificate from F.R.C.C – Spring 2024

Bachelor of Science – Electrical and Computer Engineering, University of Colorado 2013

Certificates and Skills

- Solidworks CAD Design Professional (Drawing Tools, Sheet Metal, Weldments) [C-KNZ35WXC6U](#)
- LinkedIn Certified Skills: Node.js, Python, JavaScript, Bash.
- Coursera: Google Cybersecurity Basic Certificate.
- Proficient in LabVIEW, Node.js, Python, JavaScript, Bash, HTML, CSS, git, C.
- Familiarity with C# (Mono and WPF), Swift, Java, MATLAB.
- Proficient with Eagle, KiCAD, Altium PCB and schematic design tools. Soldering to 0402 metric.
- Proficient with Solidworks, AutoDesk AutoCAD, Revit, Trimble SketchUp, FreeCAD.