

Erika Ahlswede

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<http://aubade.github.io/>

(Portfolio available at link)

Seeking Remote Work Only

Experience

CAD Designer

Nov 2020 – Present

Environmental Comfort Systems, LLC

- Commercial HVAC and building automation layouts in AutoCAD & MicroStation
- Electrical schematics & wiring diagrams in AutoCAD

Draftsperson

May 2019 – Nov 2020

Morbark, LLC

- Design and Detail work in Solidworks and Siemens NX in close cooperation with Engineering staff
- Rapid ground-up development of new product
- Assist with initial small deployment of Solidworks, and preparation for company-wide deployment
- Develop Solidworks model and drawing templates to minimize impact of transition on manufacturing staff
- Develop macros to streamline part and assembly data organization, automate DXF & PDF export, Excel spreadsheet creation
- Extensive Sheet Metal part work
- Develop Solidworks costing templates
- Maintain, revise & create safety and branding decals
- Hydraulic and Electrical Routing
- Work was primarily remote during COVID-19 Pandemic

Detail Drafter, Solidworks

Jun 2018 – May 2019

Advanced Battery Concepts, LLC

- Duties primarily consist of taking initial concepts or designs by engineering staff and creating parts, assemblies and drawings in SolidWorks.
- Secondary duties involve taking existing parts and assemblies and adding detail work such as fasteners and other hardware, then creating or updating drawings accordingly.
- Parts and Assemblies primarily consist of 80/20 or Welded Steel Tubing infrastructure and a mixture of in-house or made-to-order CNC components. Minor sheet metal work is often involved.

Peer Tutor, CAD/D

Jan 2018 – Dec 2018

Mid Michigan College

- Assisted students having difficulty with course material.
- Courses tutored include Technical Drawing Fundamentals, AutoCAD, Solidworks, Revit

Skills	Professional Certifications
CAD Programs	Certified SolidWorks Professional (CSWP) #C-T7YF3CAESC
<ul style="list-style-type: none"> Dassault Solidworks Siemens NX & SolidEdge Autodesk AutoCAD Autodesk Revit Bentley Microstation 	Certified SolidWorks Associate (CSWA) #C-BE45W7C7B6
	CompTIA A+ Certification
	Education
Drafting Standards	AAS in Computer Aided Design/Drafting
<ul style="list-style-type: none"> ASME y14.x series GD&T Standards ISO 128 	Mid-Michigan College, December 2018
	Graduated with high honors
	ΦΘK member
Programming Languages	Cumulative GPA: 3.95
<ul style="list-style-type: none"> C/C++ VBA VB.NET Python Java Lua D 	Psychology Major, Art Minor
	Central Michigan University, 2009
	Cumulative GPA: 2.8
	Selected Open Source Contributions
Art & Graphic Design	DSFML – D Programming Language binding for SFML
<ul style="list-style-type: none"> Adobe Photoshop Adobe Illustrator Corel Painter 	https://github.com/Jebbs/DSFML – as E.S. Quinn
	Extensive contributions during post-2.2 update
General Software	Linux Kernel
<ul style="list-style-type: none"> Microsoft Office 2016, 365 Windows, Admin. Linux Use, Admin. MS Teams, Webex, Zoom 102 WPM typing 12015KPH tenkey 	https://lore.kernel.org/patchwork/patch/221845/ - As Erika Quinn
	Hardware support for IBM Terminal Keyboards
	LuaD – Object Oriented wrapper for Lua
	https://github.com/aubade/LuaD
	Fork based on low-level access to D structures from Lua scripts