# Erika Ahlswede

1410 E. Maple St.
Mount Pleasant, MI 48858

(989) 620 4040 Mobile (pref)
(989) 775 2859 Home

eahlswede@protonmail.com
http://aubade.github.io/

(Portfolio available at link)

LinkedIn Profile

## Experience

**SolidWorks Detail Drafter**                 Jun 2018-Present

Advanced Battery Concepts

- 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

- Duties consisted of assisting students having difficulty with course material or who otherwise needed assistance. Courses tutored include Technical Drawing Fundamentals, AutoCAD, and SolidWorks.

**Character Designer/Digital Artist**                 Feb 2010-Mar 2017

Freelance                 (intermittent)

- Duties consisted of working directly with clients to move from verbal concept to draft concept, to finished piece.

- Software Tools involved included Digital Art tools such as Adobe Photoshop CS/CC, GIMP, CELSYS Clip Studio Paint, and Corel Painter.

- Hardware Tools involved included both LCD-based and Traditional Graphics Tablets

## Professional Certifications

**Certified SolidWorks Professional (CSWP) #C-T7YF3CAESC**

**Certified SolidWorks Associate (CSWA) #C-BE45W7C7B6**

**CompTIA A+ Certification**

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## Education

### AAS in Computer Aided Design/Drafting

Mid-Michigan College, December 2018
Graduated with high honors
ΦθΚ member
Cumulative GPA: 3.95

### Psychology Major, Art Minor

Central Michigan University, 2009
Cumulative GPA: 2.8

## Relevant Course Work

### MMCC DRF 120 – Intro AutoCAD

Covered principles of drawing, patterns, hatching. Annotations and Dimensions, Model/Paper space

### MMCC DRF 201 – AutoCAD Detail Drafting

Covered Isometric Drawing, 3D, Block creation, editing, and use

### LYNDA.COM – Revit 2019 Essential Training for Architecture

Covered UI navigation, BIM concepts, views, levels, grids, architectural modeling & features, schedules and tagging, sheets and publishing

### LYNDA.COM – Revit 2019 Essential Training for Structure

Covered columns, foundations, steel framing, slabs, reinforcements, trusses, detail drafting

### LYNDA.COM – Revit 2019 Essential Training for MEP

Covered Electrical, Mechanical, Plumbing, Fire Protection modeling, Fabrication Parts

## Selected Open Source Contributions

### DSFML – D Programming Language binding for SFML

https//github.com/Jebbs/DSFML – as E.S. Quinn
Extensive contributions during post-2.2 update

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## Selected Open Source Contributions (cont'd)

### Linux Kernel

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

## Skills

- Able to work well both on teams and alone with minimal supervision
- Fast Learner
- Programming Languages include: C, C++, D, Java, Perl, Lua
- Experienced with SolidWorks 2017-2018
- Experienced with Autodesk AutoCAD 2018-2019
- Skilled with Microsoft Office Suite, Outlook, Word, Excel
- Extensively experienced with Windows and Linux
- Experienced with Adobe Photoshop, Corel Painter, other digital art tools
- 102+ WPM Typing speed on 3-minute test
- 12015KPH Tenkey typing speed on 3-minute test
- General and Artistic design
- Can bake danish and other laminated pastries the hard way.