

Erika Ahlswede

1410 E. Maple St.

Mount Pleasant, MI 48858

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(989) 775 2859 Home

eahlswede@protonmail.com

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

(Portfolio available at link)

[LinkedIn Profile](#)

Experience

Draftsperson - General/R&D

May 2019-Present

Morbark, LLC

- Design and Detail work in Solidworks and Solid Edge in close cooperation with Engineering staff
- Extensive work in the rapid ground-up development of new product
- Assist with initial small deployment of Solidworks in primary-Solid Edge CAD environment, 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

SolidWorks Detail Drafter

Jun 2018-May 2019

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, AutoCAD, and SolidWorks.

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Experience, cont'd

Character Designer/Digital Artist
Freelance

Feb 2010-Mar 2017
(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

Education

AAS in Computer Aided Design/Drafting

Mid-Michigan College, December 2018

Graduated with high honors

Phi Kappa member

Cumulative GPA: 3.95

Psychology Major, Art Minor

Central Michigan University, 2009

Cumulative GPA: 2.8

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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

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 2017-2019
- Experienced with Autodesk AutoCAD 2018-2020
- Familiar with Siemens Solid Edge
- Experienced with Gerber Omega 6.5
- 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.