



Derek Harris

3D Modeling Design, Execution, and Preparation for 3D Printing

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SUMMARY

I have six plus years of experience using 3D CAD software. Between schooling and personal use, I have continued to learn the complexities of what the programs can aid designers to complete their vision. Through 3D printing, I have been able to bring my ideas into the physical world. This has given me many of the core concepts needed to prototype projects for real world use. I enjoy every moment spent modeling, preparing printers, and creating, and I will always strive for perfection. Please check out my website, derekdesigns.com, for examples of some of my projects.

EXPERIENCE AND SKILLS

Autodesk Inventor

Four Years

Aurora Central Catholic and Waubonsee

CAD class from 2011 to 2017. We started with pencil and paper and moved to Inventor.

- Modeled and dimensioned from printed drawings
- Reverse engineered using digital calipers
- Made and assembled multipart drawings
- Learned line types, views, tolerances, etc
- Worked in groups to complete larger, more complex projects.

SolidWorks

Two Years

Waubonsee Community College

Furthered my knowledge of drafting standards, both ANSI and ISO. Did multipart drawings, created our own solutions to problems, and learned about the industry.

Java Programming

One Year

Waubonsee Community College

Started with Python, then progressed to Java and Advanced Java.

PREVIOUS EMPLOYERS

RexConn Design

October 2017 – Present

Estimator / Project
Coordinator

- Estimating structural steel projects, interfacing with clients, and organizing engineer workloads.

Whole Foods Market of Naper.

September 2014 – September 2017
Receiver

Oberweis Dairy of Naperville

February 2012 – September 2014
Shift Leader

EDUCATION

Associates of Engineering Sciences

*Waubonsee Community
College*

2017

AWARDS

- ✓ Illinois Drafting Educations Association 1st Place Regional Assembly Modeling
- ✓ IDEA 2017 Exam Proctor
- ✓ AMATYC Student Math League 5th Place at Waubonsee