

JEANNETTE RALYEA WATSON

ARCHITECTURAL DESIGNER IN DIGITAL FABRICATION

CONTACT

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EDUCATION

BACHELOR OF FINE ART IN INDUSTRIAL DESIGN
Milwaukee Institute of Art & Design
2008 — 2012

EXCHANGE STUDENT, PRODUCT DESIGN
École de Design Nantes Atlantique
02 / 2011 — 06 / 2011

SKILLS

| Professional

- Attention to Detail
- Working Independently
- Working as a Team

| Software

- Autodesk Inventor
- Autodesk Advance Steel
- Autodesk Fusion 360
- AutoCAD
- Navisworks
- Adobe Creative Cloud
- Microsoft Office

| Fabrication Tools

- 3 axis CNC – MultiCam 3000
- 3 axis CNC – Anderson Stratos
- 5 axis CNC - HAAS

| Languages

- English – Spoken & Written
- French – Spoken & Written

SUMMARY

I am a designer with a hunger for innovation. Trained in design thinking and passionate of art and technology. I have experience in manufacturing processes, technologies, 3D CAD modeling, CNC programming, collaboration with multiple fields, and sticking to deadlines and budgets.

WORK EXPERIENCE

ARCHITECTURAL DETAILER

Synergi LLC | Elkridge, MD | 03/2023 — Present

- Digital Fabrication in pre-construction building 3D models in Autodesk Advance Steel for projects nation wide across the United States.

ARCHITECTURAL DESIGNER

Crystal Steel Fabricators, Inc. | Hatfield, PA | 06/2020 — 09/2022

- Working alongside Project Managers & the Design Manager to develop full-scale 3D models in Autodesk Inventor for projects in the NY & DC region.
- Worked remotely in Procore with team members to upload project drawings, communicate with GC's, Designers, Architects, and Engineers.

ARCHITECTURAL PROJECT DESIGNER

M. Cohen & Sons | Broomall, PA | 01/2019 — 03/2020

- Worked alongside Project Managers & Engineers to create project submission drawings in AutoCAD & full-scale interior 3D models in Autodesk Inventor.
- Produced fabrication drawings, 5 axis tooling paths, CNC related NC files, for the customs shop & complex parts.

CNC PROGRAMMER

University of Pennsylvania | Philadelphia, PA | 11/2018 — 03/2020

- Part time work (Saturdays), CNC programming & fabrication of prototypes for graduate students in architecture.
- Reviewed student work in 3D modeling to accomplished levels of 3D printing & CNC capabilities.

CNC PROGRAMMER

Voestalpine Nortrak | Chicago Heights, IL | 04/2018 — 09/2018

- Worked alongside Programmers & Engineers to build 3D models in Siemens NX.
- Created CNC programs for milling train rails & RBW Rail Frogs.
- Revised engineering drawings & CNC programs from archived mechanical prints.

PRODUCTION ENGINEER

TURF Design | Elgin, IL | 09/2017 — 12/2017

- Worked alongside Architects, Industrial Designers, & Clients to develop acoustical ceiling solutions for architectural use.
- Revised CAD drawings & CNC files done by Designers.

PROJECT DESIGNER / CNC PROGRAMMER

Navillus Woodworks | Chicago, IL | 10/2016 — 09/2017

- Reverse engineered 3D models provided by Clients & the Design Manager for CNC machine prep.
- Programmed CNC files with NC code for milling & monitored machining process.

DESIGN ENGINEER / CNC TECHNICIAN

Kehoe Designs | Chicago, IL | 04/2015 — 10/2016

- Designed events catered to galas, weddings, mitzvahs, and conferences.
- Provided CAD models, products samples, and production execution using the CNC.