



MADISON HANSEN

Industrial Designer / Furniture Maker

Experience

Vira Insight
Grand Rapids, MI

Design Engineer / *September 2023 - Present*

- * Uses SolidWorks to develop and maintain high level models and engineering drawings
- * Creates quick quotation level drawings and sends to sales to beat out competitors and win bids, followed by full part and manufacturing drawings
- * Takes detailed site measurements and photos to aid engineering in creating novel products for clients (e.g. CVS cosmetic wall locking solutions)
- * Solves problems by using design thinking skills to understand client needs, and sketching out, modeling multiple solutions.

zakrose inc.
Chicago, IL

Lead Design Engineer & Project Manager / *January 2021 - September 2023*

- * Utilized Fusion 360 to transform projects from concept to reality by directly interfacing with new clients and spending time to understand their needs, applications, and preferences
- * Produced shop drawings, cut patterns, and bill of materials to minimize waste and maximize project profits.
- * Supervised and inspects key aspects of fabrication to maintain high quality standards for form, fit, and function.
- * Created repeat business with interior designers and architects through proven record of high performance and customer satisfaction.

CNC Operator, Programmer / *December 2022 - March 2023*

- * Self taught operator & programmer on newly purchased Onsrud CNC Machine
- * Utilizes Fusion 360 Manufacturing to package, nest, and tool-path wood materials
- * Juggled Project Management, Design Engineering, and CNC Operation on a daily basis with success, later trained new CNC Operator

Fabricator / *August 2017 - January 2021*

- * Gained Confidence in woodworking skills, such as precision milling, planing, joining, shaping, veneering, gluing, sanding, and more
- * Developed an eye for "millwork" & helped imagine simpler fabrication methods
- * Installed custom millwork in high-end client settings

12 Tides
Chicago, IL
(Remote)

Design Engineer - Trade Show Booth / *October 2021 - February 2022*

- * Managed design discussions and project pathways through zoom presentations
- * Combined preliminary models from other sources with new client needs to create a functional trade show booth design
- * Incorporated company colors, aesthetics, and values into design
- * Engineered walls, rolling cabinetry and storage, and pergola with lighting while adhering to trade show regulations.

Startex Industries
Chicago, IL

Lighting Design Intern / *May 2017 - August 2017*

- * Conducted market research and analysis of lighting and furniture trends; used in presentations to forecast future product directions for Startex
- * Created lighting collections and families from research, to sketching, to final SolidWorks drafting and rendering in real dimensions
- * Drafted engineering drawings in multiple views based off of assemblies to be sent over to manufacturing team in China - Drawings included detailed material and color information

About Me

I am a painter, bird watcher, and environmental advocate. Working with thoughtful, sustainable, and durable materials is so important to me.

Contact

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Education

University of Illinois
Urbana-Champaign
BFA in Industrial Design 2012-2017

Toolbox

Technical

SolidWorks, Fusion 360, CNC Operation, InDesign, Illustrator, Photoshop, Premier Pro, Rhino, Sketchbook, Keyshot, Microsoft Office

Physical

Cabinet Making, Milling & Processing, Routing & Shaping, Modern Joinery, Sanding & Spray Finishing with Acroma Pro, On-site Installation, Basic MIG Welding