

Douglas Wisser

Mechanical Design Engineer hello@dougwisser.com dougwisser.com [LinkedIn](#)

Experience

Winsted Corporation, Bloomington, MN

Senior Design Engineer, 2022 - Present

- Led the concept design, mechanical design, and electrical design of a desktop personal environment control module that operates four configurable outputs from one interface.
- Created a colors, materials, and finishes guide for the Winsted furniture offering, focusing on bringing a more modern aesthetic and optimizing availability of laminate materials.
- Led the design and engineering of the work surface portion of a new height-adjustable console line with innovative cable management and connectivity features.

Watson Furniture, Poulsbo, WA

Senior Design Engineer, 2017 - 2022

- Served as lead engineer on launch of a revamped height-adjustable console with improved ergonomic adjustment and greater technology capacity.
- Mentored junior engineering staff in the development of product models and implementation of customer service requests.
- Developed and implemented a multiple-criteria process to prioritize critical engineering tasks with competing objectives.
- Configured an automated pricing tool to improve efficiency and consistency of cost estimation across multiple product lines.
- Served as product development liaison to a cross-functional task force dedicated to resolving the root cause of high-value customer service requests.
- Engineered and launched a neighborhood lamp used on our award-winning Haven product line, working with a third-party overseas vendor for production and assembly.

Watson Furniture, Poulsbo, WA

Design Engineer, 2015 - 2017

- Designed and launched a new height-adjustable console for use in dispatch centers.
- Created and revised existing customer-facing documentation to reflect product updates and to comply with UL electrical and safety standards.
- Reduced part count of Mercury console by 15% and increased manufacturing throughput by 10%.

Skills

- Autodesk Inventor and iLogic
- SolidWorks
- Aluminum Extrusion Design
- Sheet Metal Design
- Injection Molding Design
- Basic PCBA Design
- 3D Printing Design
- Finite Element Analysis
- Prototyping
- Design for Manufacturing & Assembly
- Cost Estimation
- Process Design
- Microsoft Office
- Microsoft Power Automate
- Adobe Illustrator
- Adobe InDesign

Education

Georgia Institute of Technology, Atlanta, GA

B.S. Mechanical Engineering '14

Emphasis on materials science and mechanics of materials

Graduated with Honors

Awards & Activities

- Winner of the 2020 Next Work Environment Competition in the workstation category from Work Design Magazine
- Winner of best interdisciplinary senior design project at the Georgia Tech fall 2014 senior capstone expo
- Granted utility patent for accessible golf cart design (US10099579B2)