

Austin Vittetoe

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Profile Summary

Results-driven Mechanical Engineer with experience in product design, development, and validation. Skilled in the design and validation of mechanical systems, design optimization, and cross-functional collaboration. Focused on improving products, processes, and customer outcomes through thoughtful engineering solutions.

Education

Iowa State University

Bachelor of Science – Aerospace Engineering

Additional Major Completed: Languages and Cultures for Professions

Ames, IA

Graduated May of 2020

Professional Experience

2G Engineering

Sun Prairie, WI

Mechanical Engineer I

September 2023-Present

- Responsible for mechanical design of subsea actuators, power supplies, and battery management systems
 - Mechanical areas of focus include power transmission, fluid sealing, pressure compensation, and proper interfacing with customer equipment
- Led end-to-end mechanical design projects from concept to customer deployment
- Create and maintain up-to-date and accurate documentation, including bills of materials, assembly instructions, and engineering drawings
- Designed and implement test fixtures and other tools to validate products in-house
- Collaborated with project management, electrical & software engineering, purchasing, and upper management to ensure on-time completion of projects and adherence to customer needs
- Drove quality improvement via Nonconformance Reports (NCRs) and Engineering Change Requests (ECRs)

Weir Minerals

Madison, WI

Applications Engineer

February 2022- September 2023

- Analyzed customer needs to select appropriate product solutions
- Drove solutions for a range of unique operating conditions and slurry types
- Worked alongside outside sales to provide technical expertise during new equipment proposals

Seats, Inc.

Reedsburg, WI

Manufacturing Engineer

July 2021- February 2022

- Applied Six Sigma principals of process control according to IATF guidelines
- Adjusted manufacturing processes based on data gathered from capability studies
- Developed Control Plans, PFMEAs, and flow charts for a variety of manufacturing processes

Technical Skills

- **Design & CAD:** SolidWorks, Autodesk Inventor, Project Data Management (PDM) systems
- **Simulation & Analysis:** Matlab/Simulink, ANSYS, SolidWorks Simulation
- **ERP Systems:** Oracle, SAP
- **Professional Associations:** AIAA, ASME