

Tyler Jensen

+1 (801) 419-8775
tyler.aksel.jensen@gmail.com
www.tylerakseljensen.com

EDUCATION

- **Bachelor of Science in Mechanical Engineering** | University of Utah | GPA: 3.7 Dec 2018
- **Fundamentals of Engineering Exam (FE/EIT)** Feb 2019

EXPERIENCE

R&D/Product Development Engineer | *LR Dynamics* | *Salt Lake City, UT* *Feb 2020 - Present*

- Develop product and process improvements through design changes, material & cost reductions, and alternative component selection.
- Collaborate with on-site manufacturing and assembly groups to implement Lean 5S, 8 wastes, and Shingo principles.
- Use SolidWorks to design: sheet metal, laser cut, machined, and plastic injection molded parts..
- Implemented GD&T standards and SolidWorks PDM.
- Conduct rapid prototyping using FDM and SLA 3D printing to validate designs.
- Reduced assembly time by half and a saving of \$150k annually by replacing a bent/welded sheet metal part to a plastic injection molded part.
- Produced a 90% saving (\$6.27 to \$0.61) by moving injection molded components to 3D printing.
- Created an automated EoL tester, doubling throughput and moving to one-piece flow.
- Worked on a team to design multiple test fixtures from small key-switch cycle testing to a 20' tall electric-winch cycle tester using Arduinos and Siemens PLCs for automation.

Mechanical Project Engineer | *FLSmidth* | *Salt Lake City, UT* *Oct 2018 – Feb 2020*

- Acted as Mechanical Design and Project Engineer on mining equipment ETO projects.
- Ensured that scope of supply and customer technical specifications are understood and met.
- Provided customers with engineering deliverables and schedules within deadlines and budgets.
- Worked in SolidWorks to create assemblies requiring casting, welding, and machining.
- Used NCRs to create and analyze repair and installation plans.
- Interfaced with international customers, sub-suppliers, and engineering support teams to coordinate year-long projects requiring delivery of 100+ engineering deliverables and installation support.

Design Engineer Intern, Sedimentation Group | *Ovivo* | *Taylorsville, UT* *Feb 2018 – Oct 2018*

- Worked in Autodesk Inventor to design municipal water clarifiers and thickeners by using parametric modeling, frame generator, sheet metal, and drawing creation tools.
- Implemented drafting trainings to overseas support teams which reduced time of completion for project drawing packages by 66%.
- Assisted in analyzing existing equipment for interfacing with new equipment at various sites.

Engineer Intern | *Coda Octopus Colmek* | *Murray, UT* *Jan 2017 – Feb 2018*

- Used SolidWorks to create cable assembly and electrical housing drawings.
- Developed internal First Article Inspections (FAI) processes per SAE Aerospace Standard AS9102.

CERTIFICATIONS & TRAININGS

- Certified Solidworks Professional (CSWP) *Aug 2020*
- GD&T Fundamentals - Tec-Ease *Sep 2021*

OUTSIDE PROJECTS

- University of Utah Composite Vertical Axis Wind Turbine, Formula SAE, Student Peer Mentor
- See my portfolio website at www.tylerakseljensen.com for more projects.