

Ben Tschida

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Work Experience

- **Daimler Truck North America** **Portland, OR**
March 2024-Present
Process Engineer/Manufacturing Engineer
 - Conduct process FMEA to identify problems within areas and minimize downstream effects
 - Study and time assemblers to discover opportunities for process improvements and line balance
 - Create and manage standard work instructions for all production processes
 - Implement new tooling on assembly line that reduce waiting time and increases product quality
 - Manage plant automation systems that enable reporting for process quality
 - **A-dec Inc.** **Newberg, OR**
July 2022 - September 2023
Sustaining Engineer/Design Engineer (Fluid Controls)
 - Developed and released new products that enable dentists to better care for their patients while decreasing risk of failed procedures
 - Worked as a sustaining engineer to update existing fluid component designs to correct manufacturing lines down, implement cost saving initiatives and increase quality
 - Fostered relationships with suppliers to improve product life and quality
 - Using Autodesk Inventor created documentation for new designs enabling manufacturing engineers to create more effective assembly instructions
 - Analyzed failed parts to determine root cause and influence future design decisions
 - Utilize Six Sigma tools to better influence design decisions
 - Using 3D printed and machined parts, designed and executed prototypes to develop solutions resolving exigent product quality issues
 - **Washington State University** **Pullman, WA**
Spring 2022
Frank Innovation Zone Welding Studio Manager
 - Assist students in safe completion of personal projects
 - Train students in safe equipment practices as welding studio manager
 - **Washington State University** **Pullman, WA**
Fall 2021
Undergraduate Instructors Assistant
 - Instruct students on efficient and proper use of SOLIDWORKS simulation tools
 - Evaluate student work and provide constructive feedback
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Project Experience

- **WSU Senior Capstone - Meta Reality Labs** *Spring 2022*
 - Research and select a pressure sensitive adhesive for a magnesium alloy in a future head mounted display
 - Using a DOE and Six Sigma tools, created a statistical model to analyze materials and influence future design
 - Designed and built a bespoke impact test jig for testing shear strength of adhesive
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Education

- **Washington State University** **Pullman, WA**
Spring 2022
B.S. Mechanical Engineering, Minor Business Administration
 - Graduated *Cum Laude*
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Relevant Skills

Certifications: Engineer in Training, Certified SOLIDWORKS Professional Mechanical Design
Hardware: PLC's, Manual and CNC Mills/Lathes, GMAW/GTAW/SMAW welding, 3D Printing, Metal Fabrication, Wood Fabrication, Arduino, Mechanical system troubleshooting/maintenance
Software: Siemens NX, Autodesk Inventor, Vault, AutoCAD, SOLIDWORKS Simulation/Design, Fusion 360, MasterCAM, MS Office
Languages: C/C++, Matlab/Simulink, VBA, G-code, \LaTeX