

Jason Holt

Mechanical Engineer

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SUMMARY

Mechanical engineer with 9 years designing industrial machinery and material-handling equipment. Took 22 custom machines from SolidWorks concept through commissioning, with FEA-backed designs that cut fabrication costs 18% and eliminated repeat field failures across a 40-unit installed base.

EXPERIENCE

Mechanical Engineer — Badger Industrial Systems 04/2021 – Present

- Design conveyor and palletizing assemblies in SolidWorks; 22 machines commissioned at customer plants over the past four years
- Cut fabrication cost 18% on the flagship palletizer line through a design-for-manufacturing review and vendor consolidation
- Ran ANSYS stress analysis on weld joints and frames, eliminating two recurring failure modes across 40 installed units

Mechanical Design Engineer — Lakeshore Fabrication 06/2018 – 03/2021

- Modeled sheet-metal enclosures, frames, and drive systems for 15 custom machines a year, releasing drawings with full GD&T
- Reduced bill-of-material count 25% on a packaging line family by standardizing fasteners and purchased components
- Resolved fit and tolerance issues during first builds on the shop floor, closing 90% without an engineering change order

Junior Mechanical Engineer — Fox Valley Tool Works 06/2017 – 05/2018

- Drafted fixtures and stamping-die details in AutoCAD supporting a three-shift production floor
- Inspected first-article parts against GD&T callouts and documented results for 120 released part numbers

EDUCATION

B.S. Mechanical Engineering — University of Wisconsin-Milwaukee 2013 – 2017

SKILLS

SolidWorks | AutoCAD | GD&T | Sheet metal design | Design for manufacturing | Weldments

ANSYS FEA | Tolerance stack-ups | Failure analysis | Material selection

BOM management | Engineering change orders | Vendor coordination | Commissioning support

CERTIFICATIONS

Professional Engineer (PE), State of Wisconsin

Certified SolidWorks Professional (CSWP)