



Kenji Garza

Design Engineer I

Design engineer with 2 years of experience reviewing 211 product designs for QC against GD&T, ISO 9001, and PPAP requirements, catching tolerance conflicts that would have required \$3,370 in rework per lot. Skilled in SolidWorks, AutoCAD, ANSYS, DFMEA, DVP&R, and 3D Prototyping, with 15 products designed and released to full production across two manufacturing roles.

CONTACT INFORMATION



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Marshfield, WI 12345

KEY SKILLS

- SolidWorks
- AutoCAD
- GD&T
- DFMEA
- ISO 9001
- PPAP
- DVP&R
- ANSYS
- APQP
- 3D Prototyping

PROFESSIONAL EXPERIENCE

Design Engineer I | Timber Ridge Precision Components, Marshfield, WI
2025 - Present

- Built and tested 19 prototypes for a pneumatic fitting product line, reducing average validation time from 14 days to 9 days per iteration.
- Reviewed 137 product designs for QC against GD&T and ISO 9001 requirements, flagging dimensional issues on 23 parts before release.
- Designed 11 products released to full production within 12 months, each passing DVP&R testing on the first submission.
- Modeled assemblies and subassemblies in SolidWorks, maintaining a library of 84 parametric part files for reuse across product families.

Junior Design Engineer | Fox Valley Metal Works LLC, Wausau, WI
2024 - 2025

- Built and tested 8 prototypes for stamped steel brackets, completing functional validation in an average of 7 days per design.
- Reviewed 74 product designs for QC prior to PPAP submission, catching tolerance conflicts that would have required \$3,370 in rework per lot.
- Designed 4 new mounting assemblies released to production within the first year, each meeting DFMEA risk targets on initial review.

EDUCATION

BS in Mechanical Engineering

University of Wisconsin-Platteville, Platteville, WI | 2020 - 2024