

Josh Pelton

There's always one more solution.



Summary

Engineer & designer wants to help an innovative company build an awesome future.

Achievements

- Innovative design changes saved Cooper >\$70K/yr.
- High-volume customer went out of their way to call & rave about my new instructions
- Achieved THK engineering certification in just 6 months
- Completed over 200 unique projects in 1 year at VQL

Education

B.S. Mechanical Engineering
UC San Diego
Revelle College

Skillset

-Mechanical Designer-

Realizing crazy ideas in elegant & manufacturing-friendly forms. Prototyping, machining, programming, sheet metal, weldments, 3D printing, mechatronics, & human factors.

-Solidworks Jockey-

Top-down or bottom-up CAD design with robust & flexible modeling practices. GD&T technical drawings, simulation, & sheet metal origami.

-Technical Communicator-

Easy-to-understand explanations of complex subjects. Hand-sketching, presentation, & clear, concise writing.

-Problem-Solver-

Tenacious & systematic approaches to figuring out what needs fixing & how to fix it. Contextual design, FMEA, & a solid grasp of ideation methods.

Work Experience

Vision Quest Lighting
Product Design Engineer
2011-Present

Mechanical design of custom light fixtures

CAD, documentation, fabrication/technical drawings, BOM management, testing, machining, installation instructions, standards compliance, CNC programming, prototyping, fabrication/machining, tooling, site visits & installation.

Cooper Lighting
Design Engineer, Contract
2010-2011

Redesign of industrial light fixture product lines

Testing, prototyping, fabrication/technical drawings, documentation, BOM management, standards compliance, installation instruction redesign.

THK America Inc.
Mechanical Engineer
2008-2010

Technical consultant for mechatronics & bearings

Customer & employee technical training, CAD modeling, drawings, customer presentations & reports, calculation of loading conditions & lifetime estimates.

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