

# Josh Pelton

There's always one more solution.



## Summary

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

## 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.

## 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

## 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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