

Josh Pelton

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Summary

I am a technically savvy mechanical engineer, with a solid background in design theory/process and a deep love for collaboration. I am looking for a product development consultancy that needs someone who can make ideas work.

Core Competencies

CAD (SW pref.) • Sketching • User-centered design • Human factors • Programming • System analysis • Mechanical design • Mechatronics/robotics • Prototyping/fabrication

Employment History

Cooper Lighting (via Aerotek) – Hicksville, NY

Oct. 2010 – Jun. 2011

Design Engineer

Duties: Fixture redesign, CAD modeling, documentation, prototyping, product development.

Developed modifications to existing fixture designs that saved over \$70,000 a year in manufacturing costs & vastly improved ease of installation. Revamped format of installation instructions for aesthetics & ease of use, resulted in resoundingly positive customer feedback.

THK America – Los Angeles, CA

Dec. 2008 – Jun. 2010

Mechanical Engineer

Duties: Application analysis & calculation, machine design, component selection, technical support.

Achieved company's highest technical certification in 5 months, unrepeated since. Provided technical support & training for more than 100 customer projects per month, including safety/feasibility calculations, machine design, and mechatronics.

UCSD MAE Machine Shop – San Diego, CA

Jan. 2008 – Jun. 2008

Teaching Assistant

Duties: Machinist, equipment maintenance/repair, student training & supervision.

Aided students & faculty in designing & machining academic projects. Trained students in proper machine shop safety/etiquette. Fabricated replacement parts for damaged machine tools.

Education

University of California at San Diego
Bachelor of Science, Mechanical Engineering, 2008
Revelle College

References Available Upon Request