

Laura Shumaker

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EDUCATION

Massachusetts Institute of Technology // B.S. Mechanical Engineering // 2008-2012 // GPA: 4.5 / 5.0

WORK EXPERIENCE

I currently work with **Google's** ID teams to prototype early-stage product concepts. I'm always interested in challenges that need a detail-oriented mechanical engineer with experience in new product introduction, fascination with unique manufacturing processes, and strong CAD skills.

SFT Climbing, LLC (June 2013 - December 2016) // Founder and Lead Designer

- Reduced the manufacturing cost for custom-fit shoes by 45% while improving quality of customer experience by developing a digital manufacturing process. Took this process from inception to first product shipment in <9 months. Now, new models can be designed and prototyped in 2 weeks.
- Successfully translated customer needs into the designs of our initial product line. Created these designs through sketches and Adobe Illustrator, rapid prototyping and user testing, and finally technical pattern creation that focused on comfort, durability, and shoe performance.
- Established 1 week turn-around of shoe orders by implementing production standards and managing material/component-level supply chain.

Appalatch Outdoor Apparel Co. (June - November 2016) // Technical Consultant

LIM Innovations (June - September 2015) // Consultant and Prototyping Engineer

- Provided conceptual and prototyping input on pattern design, assembly process, and measurement-to-production CAD system for LIM's Infinite Socket Liner.

Alloy Product Development (May 2012 - June 2013) // Product Design Engineer

- Participated in the product development process from idea generation, analysis, CAD, and prototyping, to DFM and production validation builds.
- Documented and communicated design to client, industrial design team, and overseas vendors and manufacturers.
- Directly responsible individual for the mechanical design needs of two consumer electronics projects: from gracefully resolving conflicts between functional needs with imaginative design solutions to component level design and tolerancing of high volume parts like cosmetic injection-molded housings, sheet metal grilles, and FPCB MCOs.

For internships, please see my [LinkedIn profile](#).

SKILLS

3D CAD: NX Unigraphics, ProE/Creo, Solidworks, Rhino; 2D CAD: AutoCAD

Graphics: Adobe Illustrator and Photoshop; Video: Lightworks

Shop: Waterjet, laser cutter, mill, lathe, and hand tools.

Soft goods: Industrial sewing, pattern making, textile cutting & bonding, technical footwear construction/fabrication.