



ALTRA FOOTWEAR Senior Developer

2012 - present

Technical Development of all shoes Running and Casual. Project Management and Factory communications. Specific responsibilities include:

- + **Techpack creation** using Illustrator views provided by design team. Ensure adherence to design brief. Provide clear materials and construction instructions.
- + **Daily factory communication** to resolve shoe construction concerns. Maintain positive and professional relationships with vendor to ensure accurate, on-time delivery.
- + **Manage materials** catalogs and lab test results. Recommend materials to design team to improve product quality and appearance.
- + **Manage product samples.** Perform sample reviews at each stage of development. Complete QC checklist to ensure samples meet design and construction requirements.
- + **Use engineering tools** such as calipers, durometer gauges, etc in the verification of shoe features/properties.
- + **Review and correct blueprints** provided by midsole/outsole supplier. Recommend adjustments to improve performance, durability and design aesthetic.
- + **Maintain last library.** Measure and confirm new lasts and last changes.
- + **Manage all wear testing.** Establish testing pool, survey creation and follow up. Integration of wear test results into product to improve performance and durability.
- + **Maintain communication** with Altra Associate Buyer to collaborate and ensure all new designs achieve the target FOB and business plan objectives.
- + **Mechanical Engineering** of the Altra IQ smart sensor plastic housing and battery door. 3D Cad creation of the plastic parts with concepting and implementation of the sensor into the shoe in a manufacturable, user friendly manner.
- + **Travel** to China 3x per year to ensure factory progress and push seasonal development. attend trade shows, and other events to provide technical analysis and industry research.

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ICON HEALTH & FITNESS Console Plastics Engineering Group

2009 - 2012

3D CAD engineering of treadmill, bike, elliptical plastics assemblies for Icon's fitness brands NordicTrack, ProForm, Freemotion, HealthRider, Weslo and Gold's Gym brands.

- + **Project management** and daily communication with plastics tooling vendor to clarify design and engineering specifications of each project.
- + **Design for injection molding.** Responsible for generating manufacturable plastics assemblies from the "design blocks" provided by Industrial Design dept.
- + **Resolve molding concerns** such as voids, short-shot, undercut scenarios. Recommend solutions for effective part molding.
- + **Consistently met production deadlines.** High stress, collaborative environment required efficient planning and self-starter employee attributes.



ROCKETSHIP INDUSTRIAL DESIGN Mechanical Designer

2008-2009

Provide value-added services to clients through research, innovation, industrial design, mechanical and manufacturing details

- + **Full product engineering-** 3D CAD, prototyping, testing, client reviews.
- + **Creative problem solving** - outside the box creative solutions for clients.
- + **High profile clients** such as Easton, NuSkin, WRSI, and GoalZero.



PROVO CRAFT Mechanical Designer

2004-2008

+**Product engineering**, Project Management, Daily vendor communication.



BRIGHAM YOUNG UNIVERSITY Bachelor of Science - Technology Teacher Education Emphasis in Drafting, CAD, and Engineering

2007

LDS CHURCH

Full time missionary/ volunteer charity work - Costa Rica
+spanish language ability

2000-2002