


AARON DUCHON

design engineer

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1140 Nottingham
Lafayette CO 80026

Education.

BFA - INDUSTRIAL DESIGN graduated DEC 2011
University of Wisconsin - STOUT

BS - MECHANICAL ENGINEERING graduated MAY 2009
University of Wisconsin - MADISON



Experience.

DESIGN ENGINEER

Wheels Manufacturing - Louisville, CO JAN 2020 - PRESENT

Manage engineering goals and deliverables to align with organizational vision. Establish documentation standards and product development process. Audit current product offerings to improve quality and organizational efficiency. Implement part numbering system, Engineering Workflow, SolidWorks System Templates

DESIGN ENGINEER

Ibis Cycles - Santa Cruz CA OCT 2018 - DEC 2019

Design Carbon and Aluminum Suspension Mountain bikes. Collaboration with international manufacturing to produce first size [L] concept frames. Create 2D and 3D CAD for all accompanying frame sizes using CREO. Develop production rework and Quality Control processes for maintaining high consistency and tolerancing throughout production volume. Development and Design of carbon tooling and processes for US based carbon fiber frame production. Support layout and production of domestic carbon fiber frame production.

DESIGN ENGINEER

Quality Bicycle Products - Bloomington MN MAY 2014 - OCT 2018

Dedicated engineering resource for brands: Whisky, 45NRTH, iSSi, Problem Solvers, Dimension, MSW, Cogburn. Designed/ Developed: Tires, Forks, Handlebars, Flat and SPD Pedals, Rims, Hubs, Drivetrain, Storage, Cockpit, Grips, Softgoods, Frames, Complex CAD surfacing, Carbon fiber lay-up, Engineering drawing creation and revision documentation, ISO 4210 Compliance testing, Qualification requirement development, Regular Asia travel, Daily communication with internal Taiwan team, and external Taiwan/China suppliers. Corrective actions and QC support at manufacturers, Marketing technical support, Concept generation

ENGINEERING CONSULTANT

A.D. Concepts - Chanhassen MN DEC 2009 - DEC 2014

Sole Proprietor / Independent Consulting

Supported and lead all aspects of product development - from conception to grave. Found solutions to client specific requests. Researched causes and possible corrective actions through invasive testing to best fit given specifications. Reported findings in formal reports. Medical and sporting goods industry experience.

Polaris Industries - Medina MN MAY 2012 - MAY 2014

First dedicated engineering resource to integrating accessory development into wholegoods vehicle. Responsible for bridging Industrial Design and Engineering, Management of external engineering resources, Domestic and International Vendor Development, Rigorous compliance qualification

Clients Include: Polaris, Indian Motorcycles, Victory Motorcycles, Lightpointe Medical Inc., WoundCare Technologies, Polymer Technology Corp., Separation Kinetics, Quinn Pro Solutions

ENGINEERING INTERN

SARIS Cycling Group - Madison WI MAY 2006 - AUG 2006 MAR 2008 - SEP 2008

Support launch and qualification of Powertap 2.4. Corrective actions for existing products, development and qualification of new transportation and storage solutions.

Skills.

Fabrication Experience

Conventional Mill and Lathe, Welding, G-Code Programming and Operation, Rapid/Conventional Prototyping
Carbon Fiber Lay-up (Wet/Pre-Preg), Paint/Finishing, Graphic Design / Vinyl Wrap

Software Training

SolidWorks, ProEngineer / CREO, Illustrator, Photoshop, InDesign, ANSYS, MS Office/360 Suite

About Me

Cyclist Lifestyle - Daily Commuter, Enduro MTB / Motorcycle Racer, Avid Multi-day Backcountry Hiker, Artist, Nerd