

Clay Corbett

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Professional Experience

BOA Technology Mechanism-based fit systems for high performance footwear, helmets, and medical bracing.

Denver, CO

Director of Engineering *June 2018 - Present*

- Technical leadership of Design Engineering, Prototyping, and Sustainability teams.
- Owned and developed engineering processes for all stages of product development including early R&D, NPD, and NPI.
- Met or exceeded key metrics including product performance, cost, speed to market, quality, and sustainability.
- Managed prototyping facilities including a CNC machine shop and 3D printing lab. Increased shop capabilities and throughput.
- Budgetary and resource management responsibility.
- SME and mentor for mechanical design, manufacturing, and product development process.

Senior Project Engineer *June 2015 - June 2018*

- Project manager and engineering lead for the development of [BOA's Li2 platform](#).
- Collaborated with contract manufacturers to develop BOA's world-class color customization program and the associated manufacturing processes.
- Sustaining engineering responsibility for BOA's M3 platform.

Octa Highly engineered stands and mounts for tablets.

Denver, CO

Lead Engineer *August 2012 - June 2015*

- Responsible for all stages of design and development of Octa's first generation line of tablet stands and mounts. Developed requirements, generated concepts, prototyped and tested, and managed the development process through production.
- Managed contract manufacturers. Worked on-site with vendors. Coordinated across multiple vendors. Maintained daily communications with overseas manufacturing partners.
- Developed Octa's quality systems and implemented them across the supply chain.

Meritor Tier 1 automotive supplier for light, commercial, and military vehicles. Acquired by Cummins.

Troy, MI

Design Engineer - Active Systems *June 2008 - August 2012*

- Mechanical design of actively controlled pneumatic suspensions, and safety and efficiency systems.
- Collaborated across engineering disciplines (electrical, software and controls, test, manufacturing) to develop complex systems.
- Collaborated with an international team to develop products applicable to both the North American and European markets.
- Used various programming tools to create systems-level simulations that informed the design process of my team's products.

Hawk Ridge Systems One of the world's largest SolidWorks resellers.

Bothell, WA

Applications Engineer *April 2007 - June 2008*

- Daily work in a customer-facing role providing product demonstrations, training, and technical support for SolidWorks CAD software.
- Expertise in 3D CAD/SolidWorks.

OptimumG Vehicle Dynamics software, consulting, and education for the automotive and motorsport industries.

Denver, CO

R&D Engineer *June 2005 - June 2006*

- Vehicle dynamics and data acquisition consulting to a professional racing team.
- Simulation software development for kinematic analysis of automotive suspensions.

Education

University of Colorado

Boulder, CO

B.S. Mechanical Engineering *August 2000 - May 2005*

- Minor in Economics
- Formula SAE Team Member

Skills and Software

- Microsoft Office and 365 suite
- Programming and Data Analysis: Python, Julia, Jupyter, R, Minitab
- 3D CAD: Onshape, SolidWorks (CSWP)
- FEA: SolidWorks Simulation
- PDM and PLM

Patents

- Reel Based Closure System - [US20200346888A1](#)
- Reel Based Closure Device - [US20220175089A1](#)
- Tightening device for tightening an article - [US20210196000A1](#)
- Ski boot having multiple reel based closure systems - [USD971562S1](#)