

RESUME

JOSH MACKENZIE HAINES

Expert in Product Innovation and Execution

CONTACT INFORMATION

Burlington, VT
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TECHNICAL SKILLS

SolidWorks (15 yrs)
Advanced CAD surfacing
Prototyping (FDM, SLA, SLS)
DFM/DFA
Geometric Dimensioning & Tolerancing
BOM management
PDM/PLM systems
Engineering documentation
Testing & validation workflows
Manufacturing: molding, casting, textiles, composites, metal forming

CORE COMPETENCIES

Product Engineering Leadership
Cross-Functional Management
New Product Development
Project & Program Planning
Supplier Collaboration
Cost & Quality Optimization
Sustaining Engineering
Root Cause Analysis
Compliance & Safety Awareness

EDUCATION

Bachelor of Industrial Design
Carleton University
(w/ Distinction, Co-op)

PROFESSIONAL SUMMARY

Engineering-focused product development leader with 8+ years managing cross-functional teams and full-lifecycle hardware development. Expertise in new product introduction, supplier management, product lifecycle management, quality improvement, and manufacturing optimization. Proven track record delivering durable, user-centered, commercially successful products.

PROFESSIONAL EXPERIENCE

LOW PRESSURE STUDIO | Senior Industrial Designer / Development Lead 2023-Present
Waterbury, VT

- Lead engineering and product development for global snowboard brands (Bataleon & Rome), delivering high-volume hardgoods product lines.
- Led engineering and cross-functional development for global outdoor product lines.
- Directed teams across design, engineering, and graphics; managed priorities, workloads, and performance.
- Owned product lifecycle from concept to production, including testing, documentation, and supplier qualification.
- Executed root cause analysis on warranty issues and implemented lasting design improvements.
- Led cost-saving engineering modifications without sacrificing durability.
- Successfully delivered the FASE binding system, selling out globally in the first year.

LOW PRESSURE STUDIO | Industrial Designer / Design Engineer 2018-2022
Waterbury, VT

- Snowboard boot and binding designer for Lobster, Bataleon and Rome Snowboards.
- Completed detailed designs of multiple components and hardware.
- Responsible for building technical production packages for mass production.

TC HELICON | Industrial Designer 2016-2017
Victoria, BC

- Designed housings and mechanical layouts for audio hardware.
- Supported UX refinement through layout studies and user testing.
- Applied user research and testing to improve functional and ergonomic performance across product lines.
- Designed mechanical systems for the GO-XLR platform, now launched globally.

IPPINKA | Industrial Designer 2016
Toronto, ON

- Led development of the company's first internally designed product to successfully reach Kickstarter funding targets.
- Supported end-to-end product research, design, prototyping, and vendor curation.

FLUIDCONCEPTS | Industrial Designer 2015
Concord, ON

- Produced detailed manufacturing drawings for office systems using SolidWorks.
- Created installation manuals and trained new engineers in assembly requirements.