

ALEXANDER MULARSKI

3258 Spectrum, Irvine CA 92618

📞 508-667-7417 | ✉️ amularski14@gmail.com

🔗 www.linkedin.com/in/alexandermularski/

PRODUCT DESIGN / PRODUCT DEVELOPMENT ENGINEER

Product Design Engineer with 5+ years of experience developing consumer and medical products from concept through mass production. Proven ability to lead multiple design workstreams simultaneously, collaborate with global manufacturing partners, and deliver cost-effective, test-ready designs in fast-paced environments. Strong background in injection-molded components, prototyping, DFM/DFA, and cross-functional product development.

PROFESSIONAL EXPERIENCE

Revelyst — Irvine, CA

Product Development Engineer | May 2024 – Present

- Lead end-to-end development of 4–8 consumer products concurrently, from concept generation through tooling, testing, and production for Fox Racing, Bell Helmets, Giro and Camelbak
 - Manage relationships with overseas manufacturers throughout the product lifecycle, supporting design reviews, tooling development, and production readiness
 - Create and execute testing roadmaps to ensure products meet required industry and compliance standards (CE, CPSC, NTA, ASTM)
 - Develop and manage project timelines, aligning cross-functional teams to deliver products on schedule
 - Design and fabricate injection-molded tooling for small-part prototyping to accelerate design iteration
 - Research component specifications and technical documentation to improve design reuse and streamline future development
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SharkNinja — Needham, MA

Product Design Engineer | October 2021 – May 2024

- Designed and delivered multiple consumer electronics products in a high-volume, fast-paced product development environment
 - Collaborated with cross-functional teams including industrial design, electrical engineering, quality, and overseas manufacturing partners
 - Created and maintained engineering documentation including cost breakdowns, tolerance stacks, and product specifications
 - Iterated designs to reduce part costs while maintaining performance, quality, and user requirements
 - Developed Design of Experiments (DOEs) to validate design decisions and select optimal design paths
 - Designed components within constraints of size, cost, manufacturing capability, and consumer feedback
 - Built and tested functional prototypes using 3D printing and standard machine shop processes
 - Took ownership of multiple design workstreams from early concept through production release
 - Assisted IP counsel in preparing and filing patent documentation
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Repligen — Auburn, MA

Product Design Engineer | April 2021 – October 2021

- Designed custom plastic components and assemblies for medical device applications
 - Collaborated with sales, manufacturing, and quality teams to evaluate customer requirements and design feasibility
 - Designed and modified Class VI plastic components for regulated medical processes
 - Developed fixtures and tooling to support manufacturing and fabrication
 - Applied Design for Manufacturing and Assembly (DFM/DFA) principles to improve build efficiency
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Jaro Corporation — Ipswich, MA

Quality Control Technician | December 2020 – April 2021

- Performed incoming and final inspections of PCBs while maintaining ISO quality standards
 - Collaborated with production teams to design die-cut masking solutions that increased coating throughput
 - Developed a scoring technique that reduced operator touch time and improved production efficiency
 - Supported engineering testing of automated coating systems with precision measurements down to 0.001 in
 - Created and updated customer masking drawings and documentation
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Cosentini Associates — Boston, MA

HVAC Engineering Intern | August 2019 – December 2019

- Supported senior engineers in HVAC system and fire protection design
 - Created mechanical floor plans and layouts using Revit
 - Participated in client and interdisciplinary engineering design meetings
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SKILLS

CAD & Engineering Tools:

SolidWorks, Siemens NX, Creo, Fusion 360, APIS DFMEA

Manufacturing & Prototyping:

Injection molding, CNC lathes and mills, Formlabs and Stratasys 3D printers, machine shop equipment

Analysis & Programming:

MATLAB, R

Documentation & Productivity:

Google Workspace, Microsoft Office

Languages:

English, Polish

EDUCATION

Wentworth Institute of Technology — Boston, MA

Bachelor of Science in Mechanical Engineering | December 2020

Varsity Men's Tennis Team — Captain