Myles Staples

SUMMARY

Technical Product Developer and Operations Lead specializing in advanced prototyping, 3D manufacturing infrastructure, and cross-functional program execution. Proven track record of scaling production systems from zero to one, authoring rigorous operational SOPs, and bridging physical design with scalable execution. Adept at leading technical teams, integrating circular design principles, and turning complex engineering challenges into production-ready realities.

EXPERIENCE

Patagonia - Trainer - Repairs
Reno, NV • 12/2024 - Current

- **Lead 20 repair technicians through daily troubleshooting and develop comprehensive SOPs** to standardize repair workflows and support consistent quality across teams
- **Design, optimize, and deliver onboarding and continuous learning programs** using interactive instructional methods and adult learning principles
- **Analyze participant feedback and performance metrics** to strengthen training quality, learning retention, and operational efficiency
- **Collaborate with Advanced Concepts and global teams to engineer preseason repair solutions** and integrate cross-functional feedback into curriculum delivery

Patagonia - Design Engineer of Advanced Concepts
Ventura, California • 03/2026 - 07/2026 (Contract)

- **Engineered sustainable prototypes, using advanced manufacturing methods** to help improve products and lower environmental impact
- Evaluated complex product architectures for DFM and performance, driving cost-effective production decisions
- **Analyzed market research, customer feedback, and material trend analysis** to support design choices that improved functionality and user satisfaction
- **Collaborated with inline designers and pattern engineers on heritage product redesigns** and improve accuracy through rapid prototyping

CONTACT

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Reno, NV 89503
Portfolio Link

SKILLS

- **Program & Community:** Adult Learning / Instructional Design, Project Management, Community Engagement, Multi-Stakeholder Coordination, Event & Workshop Delivery, Program Evaluation & Metrics
- **Technical & Design:** Sustainable Design, Circular Economy, Advanced Prototyping, CAD Design, 3D Modeling (SLA/FDM), Material & Life Cycle Evaluation, Technical Training & SOP Development, DFM
- **Tools & Operations:** Trello, Google Workspace, Microsoft Office, Zoom, Salesforce, D365, PLM software, SLA 3D Printers, Laser Cutters, Sewing Machines

Patagonia - Outdoor Gear Repairs Specialist

Reno, NV • 11/2023 - 12/2024

- **Outperformed performance targets by 100%+,** executing 50+ technical gear repairs weekly through mastery of specialized textile restoration, hardware replacement, and waterproof seam taping.
- **Coordinated across cross-functional partners, local community groups, and internal teams** to execute impactful sustainability initiatives and public-facing educational displays.
- **Translated detailed technical failure analysis into actionable quality control insights,** identifying pre-release product vulnerabilities to elevate overall durability and inform future product iterations.

Lemonbrat - 3D Designer & Production / Media Lead

Chicago, USA • 08/2020 - 08/2023

- **Designed and fabricated 500+ custom projects end-to-end,** executing initial 3D CAD modeling, manufacturing, precise pattern drafting, and final garment tailoring
- **Architected manufacturing infrastructure from scratch**, scaling operations via a parametric library of 100+ CAD components, an inventory of 100+ silicone molds, and standardized safety protocols
- **Partnered directly with executive leadership to shape company-wide operational strategy**, implement hardware training for SLA 3D printers and laser cutters, and streamline facility workflows.
- **Spearheaded brand strategy and multi-channel product launches**, directing product photography, content creation, and live streams that bridged physical design innovation with commercial growth.
- **Optimized viewer retention and acquisition workflows,** resulting in a 30% weekly influx of new users, achieving over 5,000 subscribers on YouTube and Twitch

PROJECTS

- **User Experience Researcher** - Tenant, 2018
- **Architectural Design Charrette Participant** - Iowa State, 2019
- **Sustainable Medical Design** - U of Massey, Wellington, NZ, 2019
- **Sustainability Deep Dive Conference Attendee** – IDSA, 06/2020
- **Repairability Design Sprint** - Patagonia, 2026

EDUCATION AND TRAINING

Bachelor of Industrial Design: Minor in Sustainability
Iowa State University
Ames, IA

Study abroad
Massey University
Wellington, NZ

LANGUAGES

- English
- Chinese (Mandarin)

VOLUNTEER/ COMMUNITY ENGAGEMENT

- **Teaching Assistant** - XiLin Northwest Chinese School: 01/2012 - 12/2015
- **Waste Diversion Expert** - Salt Shed Chicago: 3/2023 - 8/2023
- **Farmhand** - Reno Food Systems: 11/2023 - present
- **Of the Sol:** BIPOC Artist Collective: 02/2024 - present
- **Snowboarder** - Soy Sauce Nation: 03/2024 - present