



Evan Scott Roy

603.560.1814
evanscottroy@gmail.com
evanscottroy.com

Profile

10 years of experience supporting organizations in design, engineering, fabrication, process improvement, project and operations management. Proven track record of partnering with clients to engage stakeholders throughout the project life cycle and developing tailored solutions. Confident working and communicating at all levels of the organization. Life-long learner and human-centered collaborator with a passion for doing business at the intersection of people, planet, and profit.

Experience

3D Systems Corporation 2022 - 2023

Advanced Applications Engineer.

Member of the advanced innovation group supporting the development of 3D printing across a wide array of industries and applications.

- Skilled practitioner in Design for Manufacturability (DFM), and Design for Assembly (DFA) principles, functional dimensioning, and geometric tolerancing.
- Performed precision benchmarks to tailor solutions for a diverse array of applications and industries.
- Leveraged metrology and engineering tools to guide customers in the analysis of dimensional accuracy.
- Conducted DOEs for new applications and emerging materials.
- Possessed proficiency in metrology and scanning systems.
- Designed prominent components for exhibitions and trade shows, showcasing advancements in materials and applications.
- Oversaw the regular operation and maintenance of various 3D printers, including SLS, SLA, DLP, and MJP engines.

Jacob May Design 2021 - 2022

Operations manager.

On-site team lead overseeing day-to-day operations of a start-up furniture design build firm.

- Guided production pipeline from design through delivery.
- Developed playbooks to streamline processes and systems employing lean manufacturing principles resulting in increased efficiency and reduced lead times: Simplify existing designs through CAD and machining for ease of fabrication and production.
- Oversaw all internal facility improvement construction projects from permitting through completion.
- Handled internal business operations including managing payroll, accounts receivable, e-commerce platform, and shipping/delivery logistics.
- Acted as the bridge between cross-functional stakeholders including production team, suppliers, vendors, subcontractors, and customers.
- Served as the external face of the company and collaborated closely with customers to build trusting relationships, understand their custom project needs, and ensure high-quality customer service throughout the project life cycle.

Rock the Bike 2016 - 2020

Production Manager.

Lead production/manufacturing that designed and built custom pedal power projects.

- Played an integral role in achieving 400% growth in annual sales (\$2m) from start to end of tenure.
- Simplified production processes by creating new jigs, tooling, and production methods using CNC and pre-finished subcontracted materials.
- Achieved a higher manufacturing quality standard working directly with mechanical and electrical engineers in-house and overseas.

o2 Treehouses 2015 - 2016

Treehouse Designer / Crew Lead / Fabricator / Assistant Project Manager.

Original Timber 2013 - 2015

Junior Designer/ Fabricator/ Showroom Manager.

Skills

- Industrial Design
- Engineering
- Production management
- Operations management
- Problem solving

Tools

Three Dimensional

- Onshape
- Solidworks
- Fusion360
- Rhino
- Keyshot
- Digital Sketching
- Various Slicers
- CAM

Hardware

- MAC/PC
- SLS
- SLA
- DLP
- FDM
- MJP
- 3x / 4x CNC

Applications

- Microsoft suite
- Google suites
- Adobe suite
- Oracle
- Slack
- Asana
- Jira
- Salesforce

Traditional

- Sketching
- Fabrication
- Model Making
- Construction

Education

Academy of Art University
BFA Industrial Design