

# Molly Irwin

Engineering Project Manager – San Francisco

molly@cirw.in

720.438.5135

in/mollymcneil

mollymcneil.com

## EXPERIENCE

### Engineering Project Manager at Fellow Products

2015 - Present

*Responsible for the development, manufacturing, production and shipping of all 25 Fellow products.*

- Developing empathy-based/human-centered designs via an iterative cycle
- Prototyping, from duct-tape/cardboard through 3D printing (FDM, SLA, CNC plastic) through breadboard, arduino + firmware prototypes
- Design for manufacturing – Injection molded plastics, deep drawn stainless steel, blown glass, finishes (paint, PVD), cast ceramics, PCB manufacturing.
- Manufacturing overseas – testing and evaluating off-tool samples from factory, QC process development, onsite visits, ramp up factory line to mass production.
- Safety and Vendor Compliance – ETL, FCC, IC, SGS, FDA, NSF, Bureau Veritas
- Project Management – setting milestones + timelines, coordinating cross-functional teams, mitigating unforeseen issues, shipping finished product!
- Quality Control – QC spec creation, coordinating 3rd Party inspections
- Production logistics and operations – factory to warehouse to customer, air- freight, ocean freight, 3PL central, ShipStation, WooCommerce

### Engineering Project Manager at Leo

2013 - 2015

*Oversaw our first hardware product from prototyping to mass production and ensured the on-time delivery of this first smarthome consumer product.*

- Analyzed the critical path, set milestones, and managed the project schedule from prototyping via EVT, DVT, PVT to mass production.
- Coordinated communication between internal engineering teams and external stakeholders, the OEM in Taiwan, factories in China, contract designers, and component vendors.
- Travelled to Taiwan and China 6 times to make sure our product was being made to the correct spec, features, timeline, and quality control.

### Prototyping Engineer & Project Lead at RoboteX

2012 - 2013

- Built and tested robot prototypes. Worked with the principal ME, EE and FW engineers, and device software engineers to coordinate getting custom mechanical parts and circuit boards made, and built the prototypes.
- Prepared the robotic design to go from R&D to production with documentation, a bill of materials, assembly documentation and sourcing information.
- Planned and conducted engineering testing and research on robot design. Took design, made prototype parts, then built and tested robotic prototypes.

## ABOUT ME

As a builder, maker, planner, and organizer, I am driven to learn more everyday. I specialize in working with a team to turn an idea into a reality by using my own skills and optimizing the skills of others.

My strong work ethic, mixed with a great satisfaction in productivity, gives me a desire to continually improve and expand my knowledge.

## SKILLS

- Cross-Functional Team Coordination
- Product Development
- Project Management
- Design for Manufacturing
- Hardware prototyping and testing
- Quality Control Enforcement
- Solidworks, Autodesk Fusion360
- Adobe Photoshop, Illustrator
- HTML, CSS, Arduino C code
- Learn fast, work hard, smile!

## EDUCATION

Bachelor of Science in Biomedical Sciences  
Colorado State University | 2011

Certificate of Emergency Medical Technician  
Front Range Community College | 2010