

# Gabrielle Hilgart (Gabby)

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OPEN TO RELOCATION

## OVERVIEW

Motivated individual with 4+ years diverse engineering experience in lean implementation, product development/sales, and engineering team management. Self-starter and highly motivated individual who brings curiosity and collaborative energy to any business. Data-driven decision making with excellent attention to detail. Effective written and verbal communication.

## SKILLS

- Excellent project management and leadership (per ISO 9001:2015)
- Data management and statistical analysis
- Development of technical marketing strategies.
- Lean Manufacturing and Six Sigma implementation
- SolidWorks (CAD) and 3DEXperience (User and Admin roles)
- Experience with Salesforce CRM platform
- Microsoft Office (Expert in Excel, Word, PowerPoint, Visio, Teams, Outlook), Adobe Creative Suite, JMP statistical analysis
- Manufacturing Hand-On Experience
  - Extensive rotomolding experience
  - Injection Molding, Extrusion
  - Composite manufacturing (VARTM)
  - FDM Additive Manufacturing

## EXPERIENCE

### **Polyform US, Kent, WA**

#### **Engineering Manager (March 2020-Present)**

Polyform US is a vertically integrated manufacturer of rotomolded marine buoys and fenders. All compounding, pigment formulation, machine design, mold design, fabrication, and part manufacturing is executed in-house.

- Developed engineering bench strength from a vacant engineering department to four engineers - recruiting and hiring for Manufacturing Engineer, Mechanical Engineer, and Design Engineer.
- Operated as the liaison with other departments to identify, prioritize, and implement projects.
- Developed project management tools
  - Implemented project management process
  - Built infrastructure for Microsoft Teams and SharePoint
  - Developed project charter, DFMEA, and technical report templates for technical documentation.
- Implemented document control systems within 3DEXperience; defined process for digital drawing release.
- Implementation of 5S and other lean manufacturing methodologies.
  - Development of Standard Operating Procedures (SOP's) for machine operation.
  - Implemented 5-Whys process to identify root cause and define continuous improvement projects.
  - Worked closely with operators to develop production floor plans and implemented visual workplace strategies.

### **Samson Rope Technologies, Ferndale, WA**

#### **Applications Engineer (June 2016 - March 2020)**

Samson is a premier manufacturer of synthetic fiber ropes for both general use and engineering applications.

- Technical market support and product development for military, mining, offshore energy, renewable energy, and mooring applications
- Presented project/technology updates to various groups internally/externally (conferences, trade shows)
- Developed and implemented novel test methods for product performance characterization
- Established framework for development of rope inspection software and tools

## **Gabrielle Hilgart (Gabby) - Engineer**

### **EDUCATION/LICENSES**

**Western Washington University** - *Bachelor of Science - Plastics & Composites Engineering (2016)*

**EIT** - *Mechanical Engineering - Washington State (2018)*

### **INTERESTS**

- Continuous improvement strategies
- Technical product marketing
- Characterization of material properties
- Graphic design/data visualization
- Data management and analysis

### **HOBBIES**

Avid runner, outdoor enthusiast, and home cook/foodie. Lover of all documentaries and non-fiction podcasts - finance, economics, and personal development.