

Brian Folan O'Leary

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(781)-812-5628

Goal-oriented mechanical engineer with a passion for process development and workflow optimization. Experience manufacturing and managing the production of advanced composite structures supporting a variety of industries including automotive, aerospace, medical and sporting goods.

Skills:

- Fabrication of carbon fiber, fiberglass, and kevlar composites.
- Composite curing (autoclave & out of autoclave)
- Non-destructive testing (c-scan immersion bath)
- Composite testing (3-point bend, compression, and impact)
- Customer work plan management
- Strategic prioritization and time management
- Material sourcing and vendor interfacing
- PLC programming, micro-controller programming, AC/DC circuit design
- CAD (GD&T, 3D modeling software including, SolidWorks and Autodesk Inventor)
- Productivity software (SMath studio, MS word, MS excel, MS powerpoint)
- Developing and implementing standard operating procedures
- CNC machine operation & g-code programing
- Manual manufacturing techniques (metrology, milling, lathe, grinding, etc.)

Work Experience:

Brewer Fitness

2019 – Present

Mechanical Engineer

- Leading new product development efforts with an emphasis on speed to market and utilizing current product line capabilities and capacity.
- Scaling production operations by implanting robust and repeatable processes.
- Managing engineering change orders, technical drawings.

N12 Technologies

2017 – 2019

Applications Engineer

- Developed and refined nano-enhanced carbon fiber composite manufacturing methods.
- Tested carbon fiber composites to ASTM standards (including: short beam strength, compression, compression after impact)
- Project Manager responsible for designing a scaled nano-structure embedding process for carbon fiber prepreg at a remote facility with a goal of increasing production capacity from 25,000 units/year to 100,000 units/year.
- Managed customer relationships from initial screening through completion of test program and implementation into final products.
- Implemented and designed adaptable manufacturing and laboratory space utilizing 5S and lean manufacturing principles, to fit the needs of a growing startup.

Acadia Mountain Guides

2014 – 2016

Mountain Guide

- Led approximately 1,800 clients between the ages of 6 and 73 years old without a single reportable accident.
- Developed curriculum and instructed high angle geo-stabilization courses.
- Created safe and fun learning environment for daily, overnight, and winter climbing trips.

Education:

B.S. Mechanical Engineering Technology	University of Maine	2016
Minor: Electrical Engineering Technology		
Diploma, Electrical Engineering Technology	South Shore Vocational Technical H.S.	2012

Certifications, awards, volunteer experience:

- OSHA (Occupational Safety and Hazard association) certified (10 hour)
- Eagle Scout, Boy Scouts of America
- Employee of the Year, University of Maine, Campus Recreation
- Vice President, Clifton Climbers Alliance a recognized 501c3 organization