

Jon Myers

"Multidisciplinary engineer with proven history in mechanical design and manufacturing - now working to transition to software development."

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jon-myers.net (portfolio)

EXPERIENCE

Leatherman Tool Group, Portland, OR — Product Design Engineer II

JULY 2017 - APRIL 2020

Design and implementation of new knife and multitool products from initial concept through production manufacturing. Responsible for all design aspects of NPI: CAD modeling & 2D drafting, prototype creation, tolerance analysis, material selection, stress & failure analysis using FEA and laboratory technologies.

Vigor Works, Clackamas, OR — *Project Engineer*

SEPTEMBER 2015 - JULY 2017

Design of metal fabricated components for high-speed military watercraft. Responsible for assembly, machining, & weldment drawings as well as complex work packages for shop use. Provided manufacturing support to various trade shops and external vendors.

Streimer Sheet Metal Works, Portland, OR — *Mechanical Engineering Intern*

JUNE 2014 - SEPTEMBER 2015

Design and structural analysis of lifting fixtures and equipment for steel coils up to six tons. Developed custom hydraulic swaging machine for access door handle installation.

Leupold & Stevens, Beaverton, OR — *MECOP Intern*

APRIL 2013 - SEPTEMBER 2013

Designed and oversaw manufacture of custom fixtures, tooling, and gaging for use in manufacturing, assembly, and quality. Worked for Continuous Improvement team on Kaizen events, 5S implementation, time studies, and standard work creation.

EDUCATION

Portland State University, Portland, OR — *BS, Mechanical Engineering*

JAN 2011 - MAY 2015

Bard College, Annandale-on-Hudson, NY — *BA, Physics*

JULY 2002 - MAY 2006

LANGUAGES

Javascript, HTML, CSS, Python, C++

FRAMEWORKS & TECHNOLOGIES

JS: React, Redux, jQuery, Node.js, Express, Mongoose, MongoDB, D3, Sass, RESTful APIs, Bootstrap

C++: OpenCV

Python: Django, Numpy

CERTIFICATIONS

freeCodeCamp.org:

[Responsive Web Design](#)

[Javascript Algorithms & Data Structures](#)

[Front End Libraries](#)

[Data Visualization](#)

[APIs and Microservices](#)

[Scientific Computing with Python](#)

NCEES:

EIT

SOFTWARE

Solidworks (with EPDM & Adept), AutoCAD, Inventor, Abaqus, Minitab, WinSPC, MS Office Suite, VS Code