

Peter Beretich

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EDUCATION

Worcester Polytechnic Institute, Worcester, MA Graduated May 2021
M.S. in Supply Chain Management **GPA 3.91**
Worcester Polytechnic Institute, Worcester, MA Graduated May 2020
B.S. in Industrial Engineering **GPA 3.96**

SKILLS

Software: Visio, SolidWorks, AutoCAD, Grafana, PowerBI
Programming/Markup: Python, Mathematical Optimization, HTML, PHP, R
Manufacturing: Lean Manufacturing, Kanban, value-stream mapping, 3D Printing
Languages: Professional proficiency: French
Limited proficiency: Chinese, Spanish, and Italian.

EXPERIENCE

General Dynamics – Industrial Engineer July 2023 - Present

Doubled assembly throughput of two AEGIS components via Kanban and material handling improvements.

Automated data reporting and implemented data collection using LIMS, Python, Grafana, and PowerBI. Created machine layouts to facilitate efficiency for multiple stakeholders. Including on the high-volume Sabot round manufacturing line.

Great Northern Docks – Sales Engineer June 2021 – June 2023

Programmed a custom material requirement, demand planning, and master production scheduling tool. Reduced shrinkage by \$34,000 annually through optimization of pipe cuts from a standard length.

Mack Trucks – Continuous Improvement Intern May 2019 – Aug 2019

Used mathematical optimization and Python to balance volume between material tuggers. Implemented functionality for part additions, tugger capacity changes, and part volume fluctuations.

IDEXX Laboratories – Industrial Engineer Intern May 2018 – Aug 2018

Designed and implemented a Kanban inventory management system. Reduced distance traveled for material handlers in SNAP test kit production by more than 20%.

PROJECTS

Takeda Pharmaceuticals – Graduate Consultant Jan 2021 – May 2021

Created process to select and evaluate suppliers based on criteria, weighting, and efficacy. Developed decision-making tool in Python to evaluate vendors for Phase II clinical trial cell therapy.

Analytical Approaches to Asylum Process Improvement Jan 2021 – May 2021

Developed a web-based tool to optimize resource allocation of judges between districts. Combined queuing theory, simulation, optimization, and regression analysis to recommend action

HONORS

Alpha Pi Mu, Industrial Engr. Honor Society
Beta Gamma Sigma, Business Honor Society
Dean's list, Worcester Polytechnic Institute

EXTRACURRICULARS

Varsity Men's Crew, Worcester Polytechnic Institute
Water Polo Club, Worcester Polytechnic Institute