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: Photoshop, After Effects, Visio, SolidWorks | **Programming/Markup:** HTML, PHP, JS, R, Python, Linear Programming/Optimization | **Manufacturing:** Lean, Kanban systems, value-stream mapping, 3D Printing | **Languages** Fluent in French, intermediate proficiency in Chinese, Spanish, and Italian.

EXPERIENCE

Sales Engineer, Great Northern Docks, Naples, ME June 2021 – Present
- 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.
- Combined parts with similar function to reduce labor and SKUs as sole engineering resource.

Lead Researcher, Editor, Founder, SparkFly LLC, North Yarmouth, ME May 2020 – Present
- Turned hobby into profitable video editing and content creation service for education providers.
- Programmed Python tools to streamline repetitive video editing tasks to minimize labor.

Teaching Assistant, Worcester Polytechnic Institute, Worcester, MA Jan 2019 – March 2020
- Taught and assisted students with key concepts related to materials management in the supply chain.
- Created exam content and additional materials to assess understanding.

Continuous Improvement Intern, Mack Trucks, Inc., Macungie, PA May 2019 – Aug 2019
- Designed application in Python to balance volume between tuggers using mathematical optimization.
- Implemented functionality for part additions, tugger capacity changes, and part volume fluctuations.

Industrial Engineer Intern, IDEXX Laboratories, Inc., Westbrook, ME May 2018 – Aug 2018
- Designed and implemented a Kanban inventory management system.
- Produced a value-stream map of entire "plate" manufacturing process, supplemented by time studies.
- Reduced distance traveled for material handlers in SNAP test kit production by more than 20%.

PROJECTS

Graduate Consultant (Master's Capstone), Takeda Pharmaceuticals 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 Improve the Defensive Asylum Process at U.S. Border Aug 2019 – March 2020
- Developed a web-based tool to optimize resource allocation of judges between districts.
- Combined queuing theory, simulation, optimization, and regression analysis to recommend action.

Product Development for an Online Lending Platform, Hangzhou, China Oct 2018 – Dec 2018
- Provided marketing strategy insights for online lending service while in Hangzhou, China.
- Developed recommendations for new products and social media advertising for partner platform in India.

HONORS

Inducted to Alpha Pi Mu, Industrial Engineering Honor Society 2019
Inducted to Beta Gamma Sigma, Business Honor Society 2019
Dean's list, Worcester Polytechnic Institute 2016 – 2020

EXTRACURRICULARS

Varsity Men's Crew, WPI August 2016 – May 2020
Water Polo Club, WPI November 2017 – May 2020