

NICOLAS PROSPERI

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EDUCATION

Pennsylvania State University, College of Engineering
Bachelor of Science in Industrial Engineering

University Park, PA
Expected Graduation Date: May 2026

WORK EXPERIENCE

Tenaris – Supply Chain Internship May 2025 – August 2025

- Built Power BI dashboards tracking execution rates, revealing a 25% weekly shortfall tied to \$80K in financial exposure.
- Designed a cost allocation model comparing actual vs. optimal routing, uncovering inefficiencies that caused \$30K in weekly losses.
- Consolidated operational datasets from 12+ Excel sources using Power Query, strengthening report consistency.
- Created a Power Automate workflow to extract data from email attachments and paste it into a SharePoint file.

Tenaris – Business Coordination Internship May 2024 – August 2024

- Created Power BI reports to track bi-weekly operational and cost metrics, improving spud-delay cost tracking and identifying \$30K in avoidable delays.
- Analyzed 8+ customer accounts and identified consistent under-production patterns, strengthening planning accuracy.
- Optimized issue identification for rig delays using advanced Excel pivot tables, achieving a 45% faster rate in pinpointing problems and minimizing downtime when rigs failed to start on time.
- Supported portfolio-style management of rig costs by tracking financial metrics and highlighting shifts in spending patterns.

Darnel Group – Data-Driven Performance Internship May 2023 – July 2023

- Evaluated the manufacturing process and quantified scrap loss, identifying \$12K in monthly financial impact.
- Delivered bi-weekly reports to supervisors, flagging cost impacts from issues such as shift-rotation inefficiencies.
- Created a more efficient system for organizing machinery, streamlining processes to enhance productivity by 4%.
- Learned the basics of Python to develop more efficient movements of a manufacturing robot arm.

Ene Cueros – Financial Analyst Internship May 2021 – July 2021

- Managed the inventory portfolio, improving item analysis and preventing \$25K in unnecessary wood purchases.
- Conducted profitability reviews across product lines, improving forecast accuracy for 25 monthly units.

LEADERSHIP AND VOLUNTEER EXPERIENCE

TEDxPSU – Partnership Director August 2024 – Present

- Built relationships with Deans, local organizations, and small businesses to create partnership opportunities.
- Secured 15% of the organization's budget through community outreach to fund TEDxPSU's "Papertowns" event.

Venezuelan Student Organization - Member August 2022 – Present

- Attended events and raised over \$1,000 per semester to support Venezuelan citizens in need.
- Led and organized collaborative events with 15+ organizations, engaging over 80 participants.

Centre County Paws – Student Volunteering November 2023 – December 2023

- Applied process analysis and improvement principles in a volunteer capacity at an animal shelter, leading to improved resource allocation and system efficiency.

APPLIED ACADEMIC PROJECTS

Capstone: PROPS – Possible Replacement for Obsolete Parts (B. Braun Medical)

- Worked with a team of 6 to develop PROPS, a web-based tool that helps find replacements for obsolete machine parts.
- Designed the AI-driven interface features that reduce part search time to minutes through automated results.

IE 478: Retail Service Engineering

- Redesigned chip shelf layout by reallocating space from SKUs earning <\$4 per face, improving revenue efficiency.
- Built a G/G/2 queuing model using a 0.55 arrival rate to optimize checkout performance at the dorms supermarket.

SKILLS/CERTIFICATES

Skills: Power BI (Expert), Forecasting, Cost Analysis, Portfolio monitoring, KPI tracking, English (Fluent), Spanish (Native), SolidWorks (Beginner), Microsoft Excel (Intermediate), Python (Beginner), Data Analytics

Certificates/Interest: Introducing DAX -SQLBI, Six Sigma Green Belt (IISE), OSHA-10, Traveling, Soccer, Music