JULIA H. VANPUTTE

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EDUCATION

CORNELL UNIVERSITY, ***Masters in Operations Research & Information Engineering***   Expected Dec 2024
- Concentration: **Data Analytics,** Capstone Project: **Optimizing Cayuga Health's Imaging Schedule**
- **Relevant Courses:** Supply Chain Management, Reinforcement Learning, Big Data Technologies

CORNELL UNIVERSITY, ***B.S. Operations Research & Information Engineering***   Dec 2023
- **GPA 4.02**   Minor: **Data Science**
- **Relevant Courses:** Machine Learning, Data Science, Large Language Models, Object Oriented Programming and Data Structures, Stochastic Processes, Probability and Statistics, Simulation Modeling & Analysis, Manufacturing Systems Design and Consulting, Service Systems Modeling, Linear Algebra, Financial & Managerial Accounting, Communications in Engineering

ST JOSEPH'S HIGH SCHOOL, Greenville, SC, ***Valedictorian***   June 2020

RELEVANT WORK EXPERIENCE

Incoming Consultant Analyst, Sage Analysis Group, *Boston, MA*   March 2025

Incoming Systems and Operations Research & Analysis Intern   May 2024 - Aug 2024
- John's Hopkins Applied Physics Laboratory, *Laurel, MD*

Business Intelligence Engineer Intern, Amazon, *Bellevue, WA*   May 2023 - Aug 2023
- Engineered a robust data pipeline real-time visualization dashboard using AWS Redshift, ETLM tools, and Quicksight. Aided anomaly detection, resulting in a 12-hour weekly time saving.
- Executed real-time supply chain analytics through complex SQL queries and. Demonstrated adeptness in managing and resolving challenges presented by dynamic project requirements.

Data Analytics & Strategy Intern, Ankura Consulting, *New York, NY*   May 2022 - Aug 2022
- Employed strategic data analysis and effective communication to address client data challenges.
- Analyzed financial, operational, and transactional data using Python, Tableau, SQL, and VBA.
- Translated complex insights into actionable business recommendations.

Supply Chain & Operations Manager, AABiX Corporation, *Ithaca, NY*   Sept 2021 – May 2023
- Spearheaded establishment of supply chain for start-up. Devised systems for order fulfillment, inventory management, product manufacturing, and production tracking, saving costs by over 15%.

Industrial Engineering Intern, Röchling Automotive, *Greenville, SC*   Jun 2021 - Aug 2021
- Conducted cycle time studies on Honda manufacturing, implementing lean six sigma principles for a 60% time reduction. Managed a sophisticated cost database using Excel VBA for time efficiency.

RELEVANT EXPERIENCE

ORIE Research Project, Cornell Mail Services Optimization- Prof. David Goldberg   Aug 2023 – Dec 2023
Cornell Rocketry Team, Business Team Lead, Business Team Member   Oct 2020 – Dec 2023
- Co-managing business operations of a team to design, assemble, and launch high-powered rockets
- Redesigned website, led graphic design projects, managed marketing, and obtained sponsorships

Tau Beta Pi Engineering Honors Society, Secretary   Nov 2023 - Present
Data Science and Operations Research Teaching Assistant, Cornell University   Jan 2023 – Present
- *Courses*: Simulation Modeling and Analysis, Practical Tools for Data Science and Machine Learning in Operations Research, Engineering Applications of Operations Research

SKILLS

Technical

Programming
Python *(Numpy, Pandas, PyTorch, Scipy, PySpark, SkiKit-learn, Seaborn, MatPlotLib, TensorFlow, Statsmodels, Gurobi)*
R   SQL   Java
HTML and CSS
Simio

Data Science
Excel and VBA
Tableau, Power BI, Quicksight
Redshift
Data Modeling
ETLM Tools

Other
Adobe Illustrator and Photoshop

Practical
Lean Six Sigma
Data and Statistical Analysis
Optimization and Stochastic Processes
Monte Carlo Simulation and Queueing Theory

Awards
2020-2023 Cornell Engineering Dean's List
2022 Cornell University Human Spirit Entrepreneurship Fellow
2021 Nominated Johnson R. Rice Prize for writing
1600 SAT Score, National Merit Scholar