

JOHN SLAVINSKAS

51 Colonial Street | East Northport, 11731 | +1 (631) 499-1810 | Slavinskasjack@gmail.com

QUALIFICATIONS SUMMARY

- Operational knowledge of Python, TensorFlow/Keras & SQL for process analysis, cost modeling, and more
- Well-developed chemical lab skills through classes and hands-on research including numerous TAPPI standards
- Knowledge in management of teams, business and managerial law, marketing, and introductory accounting

EDUCATION

WorldQuant University

January 2024- November 2025

Master of Science: *Financial Engineering*; DEAC Accredited

Hochschule München University of Applied Sciences, Munich, Germany

July 2025

Masters of Engineering: *Paper Technology*; ZEvA Accredited | *Thesis on Solubility of Lignins in Organic Solvents*

University of the People

June 2025

Bachelor of Science: *Computer Science*; WASC Accredited | *Concentration in Data Science*

State University of New York College of Environmental Science and Forestry, Syracuse, NY

August 2023

Bachelor of Science: *Paper Engineering*; ABET Accredited | *Minors in Management & Physics*

RELEVANT EXPERIENCE

Lignopure, Technology Development Intern & Master Thesis Researcher | *August 2024- June 2025*

- Developed lignin-base functional materials (e.g., bio-based leather with up to 70% lignin) using extrusion and optimized processing for highest recorded strength in natural leather alternatives
- Researched solvent systems, temperature, and surfactants to improve lignin dissolution for new applications; estimated Hansen Solubility Parameters for better solvent selection with Python

Sonoco Product Company, Emerging Leader | *May 2023- August 2023*

- Conducted thorough analysis of effluent treatment processes, leading to implementation of solutions
- Gained experience with Parview and Everactive sensors enabling real-time data visualization and proactive process adjustments, leading to better quality control and reduced downtime

Envision Biopolymers, Undergraduate Student Researcher | *February 2022- February 2023*

- Created biodegradable bioplastics from genetically modified E. Coli on a lab scale
- Collaborated with experts to perform scale up research after discovering an efficient bioplastic polymer blend

Paper Making Processes, Student Participant | *January 2023- May 2023*

- Exhibited teamwork to determine the necessary raw materials to design specific, economical paper grades and research its properties to perform multiple scale up procedures
- Gained valuable hands-on experience while working directly with process machinery and equipment

WestRock, Project Intern | *September 2022- December 2022*

- Contacted various vendors to obtain preliminary cost estimates to install a potential pocket conveyor system to transport waste fibers to Syracuse Fiber from WestRock rather than transporting via truck
- Calculated and presented an industry-level cost analysis to corporate managers of WestRock

Boy Scouts of America, Eagle Scout | *March 2020- Led the building of dugout racks for John Glenn High School*