

Nampoina Randrianarivelo [Nahm-Pooh-Nah]

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EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE

Dual B.S. Mechanical Engineering and Design, Innovation, and Society (DIS)

- GPA: 3.21/4.0

Troy, NY

Graduated May 2023

WORK EXPERIENCE

THE JOHN F. KENNEDY CENTER FOR THE PERFORMING ARTS

Washington D.C.

Artistic Planning and Administration Intern • The National Symphony Orchestra (NSO)

January - April 2024

- Directed concert advancement by writing artist contracts and itineraries, booking travel and accommodations, fulfilling hospitality riders, assigning complementary company tickets, submitting payments promptly, and assisting with concert production
- Established and sustained positive relationships with stakeholders by serving as artists such as Grant Langford and Michelle Merrill's primary point of contact to ensure they have an exceptional experience at the NSO
- Proactively sought additional training opportunities outside of my department in hip hop and theatrical production and operations, personnel management, props, and HVAC facilities maintenance to understand the demands of their work

REGENERON PHARMACEUTICALS, INC. (2X)

Biotech Production Engineering Intern (Clinical/Mid-scale Manufacturing) • Rensselaer, NY

May - August 2022

- Collaborated with a three-person team to author and execute a protocol to optimize the preparation of formulation buffers. We streamlined the process, reduced material waste by 63%, and projected to save the company 75% annually in material costs
- Presented recommendations through presentations and a scientific poster to over 400 attendees and senior leadership
- Experienced in cleanroom manufacturing environments and consistently upheld excellent gowning and Standard Operating Procedures
- Observed cGMP biologics processing from seed train expansion, production, and harvest in bioreactors to purification, formulation, filling, packaging, and distribution of drug product

Process Development Engineering Co-Op • Tarrytown, NY

August - December 2021

- Optimized the user experience and efficiency of electronic laboratory notebooks using Excel's Data Tables and functions such as VLOOKUP and INDEX/MATCH
- Reviewed historical lab data and used JMP to visualize and track resource waste to streamline process development company-wide
- Proficient in pilot-scale process development, Design of Experiments, emerging technology research

PROJECTS

Sustainable Packaging with Mushroom Mycelium • Engineering Capstone and DIS Senior Project September 2022 - May 2023

- Tested novel composite compounds and developed inclusive instructional materials for sustainable consumer packaged goods (CPGs)
- Hosted effective user interviews and product testing sessions to gain stakeholder feedback and drive project advancement
- Skilled in problem definition, user requirements research, root cause analysis, rapid prototyping, and presenting milestones for feedback

Electronic Public Art Installation • DIS Studio III

August - December 2022

- Led a four-person team to develop an interactive lighting installation to encourage wellness through community interaction
- Gained experience with developing project timelines, materials procurement, budgeting, electrical engineering (Arduino microcontrollers, LEDs, ultrasonic distance sensors), woodworking, 3D Printing, cross-functional collaboration with external stakeholders, and final product launch

LEADERSHIP AND EXTRACURRICULAR INVOLVEMENT

National Society of Black Engineers • Rensselaer Polytechnic Institute Chapter

August 2019 - Present

- **President (May '22 – May '23):** Responsible for management of a 20-person Executive Board, strategic planning, chapter vision, and financial health and management of the organization. Increased new membership by 28% and acquired 4 sponsors during my term
- **Programs Chairperson (May '21 – May '22):** Planned and oversaw all social events for over 115 chapter members such as Gala, managed over \$15,000 in funds for chapter events, and led a 4-person team to execute successful programs

SKILLS

Software: Siemens NX, MATLAB, Simulink, Rhinoceros 3D Python 3 (NumPy), JMP, Google and Microsoft Office Suite

Technical: Lean Six Sigma, Product roadmap development, Data analysis and extraction, Product research, Technical writing

Other: Continuous improvement, Production management, Vendor procurement and management, Risk and crisis management, Cross-departmental collaboration, Strategic communication, Budgeting, Scheduling, Task prioritization

Interests: DJing, Swimming, Kayaking, Cooking, Composting, Traveling