

DYLAN MIES

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Cornell University Mechanical Engineering student seeking a Summer 2026 Internship to leverage academic knowledge and prior experience in mechanical engineering to contribute to innovative engineering solutions.

EXPERIENCE

Engineering Intern – Veranova Pharmaceutical Manufacturing, West Deptford, NJ (May 2025 – Aug 2025)

- Managed projects related to site safety procedures and maintenance
- Completed maintenance job safety analyses for plant shutdown
- Supported site safety by checking equipment, wearing proper protective gear, joining hazard reviews, and handling waste correctly
- Shadowed experienced engineers and learned about site procedure
- Updated and created new reactor entry procedures to decrease production downtime and increase worker safety
- Sorted and catalogued tens of thousands of dollars of unused, but serviceable, equipment to be sold
- Managed demolition of out-of-date water skid system to increase cleanliness and organization as part of a site-wide overhaul

Data Strategy Intern - Xponentl Data, Philadelphia, PA (May 2024 – Aug 2024)

- Prepared for Databricks certification
- Gained some knowledge of SQL programming language
- Observed data analytics strategy and projects
- Organized where company data lives and who owns it; highlighted gaps and redundancies
- Worked with teams to agree on important metrics and how to calculate them
- Researched data partners and tools to find cost-effective ways to improve coverage

EDUCATION

Bachelor of Science, Mechanical Engineering

Cornell University, Sibley School of Mechanical & Aerospace Engineering, Ithaca, NY (Class of 2027)

GPA: 3.75/4.0

Relevant Coursework: Statics, Mechanics of Solids, Dynamics, Thermodynamics, Fluid Mechanics, Materials, System Dynamics, Intro to Mechanical Design, Probability and Statistics, Linear Algebra/Differential Equations

Project: Designed prototype and built waterproof storage in Mechanical Design course using CAD

SKILLS

Software and Technical: Python, MATLAB, CAD, SQL Modelling, design, prototype creation

Soft Skills: Creativity and problem solving, team communication and collaboration, safety awareness, process improvement, data strategy

ACTIVITIES & LEADERSHIP

Cornell: ASME Member (National and Cornell Chapter); PlayVS Collegiate Esports Team Player

Classical Pianist (12 years): ABRSM graduate, multiple national and international competition winner

Homework Helpers (Founder): Recruited 120+ volunteers; 1,000+ free tutoring hours for 100+ families