

# Kyle Dattner

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## EDUCATION

### Cornell University, College of Engineering

*Bachelor of Science in Mechanical Engineering, Intended Minor in Aerospace Engineering*

GPA: 3.90

Ithaca, NY

*Expected May 2027*

## TECHNICAL EXPERIENCE

### Amphenol RF

*Compliance and Quality Engineering Intern*

Danbury, CT

*Summer 2025*

- Collaborated with other interns on a summer long project to prototype and validate a line of PFAS free BNC connectors
- Led the validation phase, testing reference parts to obtain baseline data, then comparing the performance of our new parts
- Delivered a comprehensive final presentation of the internship project to the company's general manager and senior leadership team, with the presentation simultaneously broadcast to the 100+ employees across the facility
- Streamlined PFAS compliance reporting for ~10,000 parts by capturing percent by weight, annual import quantities, chemical identities, and other required data, ensuring regulatory accuracy and more efficient federal submissions.
- Developed tests to use on a Zwick tensile tester to verify the insertion force of a part returned after customer complaint, working with international branches to coordinate testing and share results with the customer
- Performed mechanical, electrical, and environmental testing of parts as they arrived from offsite facilities

### Cornell Cup Robotics

*Mechanical Engineering Sub-Team Member*

Ithaca, NY

*September 2024 – Present*

- Designing an underwater tethered submersible intended for depths of up to 25 feet and speeds of 1-2 ft/s, selecting propellers and motors to use in depth and propulsion control systems using knowledge of fluid mechanics
- Designed and prototyped a tambour-panel based battery compartment cover for the robot C1CO, which was showcased at the New York State Fair, using CAD and 3D printing; finalized and machined components for implementation
- Collaborated with team members in scrums at the start of projects to formalize timelines and set critical testing phases

## NON-TECHNICAL WORK EXPERIENCE & EXTRACURRICULAR INVOLVEMENT

### Brookfield Animal Hospital

*Veterinary Assistant*

Brookfield, CT

*May 2022 – August 2024*

- Assisted in managing a pet boarding system that housed over 40 pets, seeing to day-to-day needs and maintenance
- Worked closely with veterinarians in appointments, preparing necessary medical equipment and communicating with clients
- Ran laboratory tests, analyzing the results and relaying this information to veterinarians for how to proceed

### Brookfield Robotics Club

*Team Member*

Brookfield, CT

*October 2021 – May 2023*

- Collaborated with teammates each year to design, build, and program a new robot from scratch for the FIRST Robotics competition, optimizing performance and successfully qualifying for the 2023 regional competition
- Designed and assembled various parts of the robot, using power tools as well as rivets, screws, and other assembly methods
- Identified an intake system functioning poorly due to lack of friction and adapted to this by changing our chosen material

## LEADERSHIP

### Zeta Beta Tau Fraternity (ZBT)

*Cornell Chapter Risk Manager*

Ithaca, NY

*August 2024 – May 2025*

- Oversaw security and safety for a concert with 1000+ attendees, hiring and directing outside security guards, establishing safety protocols, and working with city offices to obtain necessary approvals and ensure a successful, safe event
- Worked with executive board to coordinate operations, minimizing risk for individual brothers and the chapter in day-to-day activity; developed and implemented contingencies at large-scale events in the case of fire or medical emergency

## SKILLS, & INTERESTS

**Skills:** Autodesk Fusion 360 (CAD), Java, Python (beginner), MATLAB & MATLAB Simulink (beginner), 3D Printing

**Interests:** Soccer (Cornell United Club Soccer), Skiing, Reading, New York Jets, Cliff Jumping