

Hannah Mekky

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EDUCATION

Cornell University, College of Engineering , Ithaca, NY <i>Bachelor of Science in Mechanical Engineering</i>	August 2022-May 2026
Relevant Coursework: Statics, Dynamics, System Dynamics, Mechanics of Materials, Fluid Mechanics, Mechanical Design, Material Process Manufacturing, SpaceFlight Mechanics, Heat Transfer, Physics I, II, III	
University of Sydney Study Abroad , Sydney, Australia	Spring 2025

WORK EXPERIENCE

HuFriedy Group – Manufacturing Engineering Intern	Dec 2024 - Jan 2025 June 2025 - Aug 2025
<ul style="list-style-type: none">Collaborated with the manufacturing engineering team to diagnose and resolve machinery and fixture issues in dental device assemblyDesigned and implemented process improvements that enhanced operator efficiency and production reliabilityConducted research and testing to optimize assembly flow, contributing to smoother operations and reduced bottlenecks	
Greengard Inc. Engineering – Engineering Intern	Jun 2024 - Aug 2024
<ul style="list-style-type: none">Utilized AutoCAD to develop boundary, topographic, and site development plans across multiple concurrent projectsCoordinated with clients to gather requirements and ensure accurate technical documentation aligned with project needsSupported engineering teams by preparing detailed drawings and contributing to efficient project delivery	
Bewley Applied Turbulence Research Lab – Undergrad Researcher	Sept 2022 - May 2023
<ul style="list-style-type: none">Prepped and aided in experiments to analyze compressible turbulent flow behavior using hot wire anemometry and high-speed optical techniques in a wind turbine	
Mekky Media Relations – Intern	Jun 2022 - Aug 2022 Jun 2023 - Aug 2023
<ul style="list-style-type: none">Researched to support publicity campaigns and strengthen outreach strategiesDrafted press releases and promotional materials to enhance media visibilityBuilt and maintained relationships with media outlets to expand campaign reach	

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Breakfree Cornell Dance Crew – Co-President	2025-present
<ul style="list-style-type: none">Directs a competitive, student-run dance organization of 40–45 members, competing in professional competitions across the regionManages a 14-member executive board, ensuring effective operations and team cohesion	
Cornell Club Soccer – Co-Captain	2023-present
<ul style="list-style-type: none">Leads a student-run competitive soccer team, coordinating training, game plan, travel, and competition logistics for 25–30 membersGuides the team to repeated qualifications at regional and national tournaments	
Society of Women Engineers – Middle School Outreach, DiverSEtY, Junior Girl Scout	2023-present
Cornell Engineering Ambassador	2025-present

ADDITIONAL SKILLS

MatLab • Python • Solidworks • Autodesk Fusion 360 • AutoCAD • Leadership • Communication • Collaboration • Conflict Resolution • Teamwork • Critical Thinking • Project Management