

Dylan Shen

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Education

Cornell University	Ithaca, NY
Mechanical Engineering. GPA: 3.825/4.0	Class of 2028
Relevant Coursework: Multivariable Calculus, Differential Equations, Linear Algebra, Physics I Mechanics and Heat, Physics II Statics and Mechanics of Solids, Dynamics, Thermodynamics	
Awards: Hunter R. Rawlings Cornell Presidential Research Scholar	

Smithtown High School East (Advanced Regents Diploma)	Smithtown, NY
GPA: 4.82 weighted out of 4.4; SAT: 1580	Class of 2024
Awards: Regeneron STS Semifinalist; National Merit Finalist; LISEF 3rd Place; STANYS Outstanding High School Science Senior; AMC 10/12- AIME qualifier (2022,2023,2024); LISC Honors Award; ASHG DNA Essay Honorable Mention; NYSSMA All-State Nomination (Piano)	

Experience

Bonnassar Lab (Department of MAE/BMeme at Cornell)	Ithaca, NY
Research Intern	Spring 2025 - Ongoing
<ul style="list-style-type: none">Conducting a research project to assess the synergy effect between Hyaluronic Acid and recombinant equine Lubricin, and if/how it leads to decreased friction coefficients for articular cartilage.Developing skills related to biomedical engineering, and gaining experience with working within a formal lab setting. Improving general wet lab, data analysis, and coding skill.	

Terrer Lab (Department of CEE at MIT)	Remote
Research Intern	Summer 2023
<ul style="list-style-type: none">Conducted a research project on developing a novel computer algorithm to identify areas of deforestation incursion from satellite imagery.Project was done largely independently, with some assistance from the lab. A final version of the Python program produced by the project was delivered. Project was submitted to multiple high-school level research competitions, along with a 20-page paper written entirely in Latex.	

Leadership & Activities

Ring of Steel - Ithaca	Ithaca, NY
Armorer	Fall 2024 – Ongoing
<ul style="list-style-type: none">Studying historical sword techniques and stage combat, and teaching aforementioned to newer members.Choreographing, practicing, and performing stage fights from various movies and other media.Cataloging and maintaining the club's inventory of steel stage prop weapons.	

Skills & Interests

Technical: Proficient in Excel, Latex, Python, Java, Matlab, Autodesk Fusion.

Language: Working proficiency in Chinese.

Laboratory: Proficient with 2-axis tribometer, DHR-3 Rheometer, Sterile/Nonsterile condyle dissection.

Interests: Stage combat, creative writing, Historical European Martial Arts, Archery