

MAYA A. LURIE

mal438@cornell.edu; 914-606-0463

EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Class of 2028, intended major - Biomedical Engineering

Horace Greeley High School, Chappaqua, NY
Class of 2024, Summa Cum Laude, GPA 4.0

WORK EXPERIENCE

Regeneron Pharmaceuticals, R&D Summer Intern – Ophthalmology Department May 2025 - August 2025

- Performed advanced wet lab techniques (qPCR, RNAScope, staining & imaging, perfusion organ culture) in glaucoma research
- Developed strong troubleshooting skills through cycles of trial and error
- Gained exposure to the flow of research from hypothesis generation to results and analysis

ACTIVITIES

Engineering World Health Project Team at Cornell, Integrative Design Subteam Member November 2024 - Present

- Design and construct low-cost medical devices for underprivileged communities
- *2ft Prosthetics* collaboration - foot prosthetic design, fabrication, and clinical trial for low resource settings
- *Solar Ear* collaboration - hearing aid design for communities with limited electricity

Society of Women Engineers at Cornell, Middle School Outreach Committee Member October 2024 - Present

- Develop projects to teach engineering and science to local middle school students

Cornell Undergraduate Research Board (CURB), Mentee October 2024 - December 2024

- Participated in small group meetings with peers & peer mentor in research field of interest

Sigma Delta Tau Sorority at Cornell, Alpha Chapter, Member Class 2025 January 2025 – Present

- Event Planning Director, August 2025 – Present

Vanderbilt University - PTY (Programs for Talented Youth) Mentor Immersion Virtual Research Program - Cancer Drug Discovery: Exploring the Intersections of Cancer Biology and Pharmacology, Mentee January 2023 - May 2023

- Selected to join mentorship program; participated in weekly classes
- Developed independent research project: essay & formal presentation on breast cancer drug treatment

Science Olympiad (Horace Greeley High School Club), Team Member Fall 2021 - Spring 2024

- Competed in High School Regional & State Tournaments in Build & Exam Events

VOLUNTEER EXPERIENCES

Very Important Player (VIP) Special Needs Programs, Leader and Buddy Fall 2016 - Spring 2024

- Student Leader (Junior - Senior) - organized buddy pairs, promoted program values and recruited volunteers
- Buddy for kids with special needs - played soccer, basketball and tennis while teaching teamwork

Special Needs Enrichment Programs at JCC Mid-Westchester, Volunteer Spring 2021 – Spring 2024

- Provided supervision, modeled communication and engaged participants in and activities

ATHLETICS

Soccer, Player Fall 2011 - Fall 2022

- Greeley Junior Varsity A (Sophomore) & Greeley Junior Varsity B (Freshman); Chappaqua Youth Soccer Club (CYSC); American Youth Soccer Organization (AYSO)

Track, Runner Spring 2022 - Spring 2024

- Greely Varsity Runner

SKILLS

Technical Skills: Molecular Imaging; Sterile Techniques; Microscopic Techniques; Micro Pipetting; Woodworking Machinery; Autodesk Fusion 360

Other Skills: American Red Cross Lifeguard, CPR, and First Aid certified