

Aidan Kumar

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Education

New York University

B.S. Biomolecular Science, GPA: 4.0

NCAA Fencer, Phi Delta Epsilon Medical Fraternity

Manhattan, NY

Sept 2024-May 2028

Millburn High School

Weighted GPA: 4.53; ACT Score: 34 (composite)

Millburn, NJ

Sep 2020 -June 2024

Research/Internships

Icahn School of Medicine at Mount Sinai

Undergraduate Researcher

Manhattan, NY

Feb 2025-Present

- Investigate the role of intracellular stress responses, particularly Endoplasmic Reticulum (ER) and mitochondrial stress, in Fuchs Endothelial Corneal Dystrophy (FECD)
- Perform techniques such as cell culture, immunostaining, western blotting.

Seesaw Vision Center

Summer Biotech Associate

Livingston, NJ

May 2025-Present

- Conducted preliminary patient workups including recording patient history, vision tests (visual acuity, color vision, etc.), and intraocular pressure measurements
- Assisted with diagnostic imaging procedures such as OCT, fundus photography, and visual field tests

Stevens Institute of Technology

Junior Investigator

Hoboken, NJ

May 2022-June 2024

- Developed a Virtual Reality Program in Unity to assist patients with Parkinson's/Essential Tremor
- Programing software to track user motor movements and determine tremor frequency and severity

Volunteer Experience

New York Presbyterian

Patient Care Volunteer

Brooklyn, NY

Jan 2025-Present

- Assist nursing staff in treating patients and nonclinical needs, enhance patient care experience

The City Tutors

Match and Science Volunteer Tutor

Brooklyn, NY

Jan 2025-Present

- Meet weekly with students to teach middle school and high school math and science