

## EDUCATION

### Sophie Davis School of Biomedical Education 7 Year Accelerated BS/MD Program

Manhattan, New York

### New Hyde Park Memorial High School

New Hyde Park, New York

Weighted GPA : 103 Unweighted GPA : 98.67 SAT: 1540 PSAT: 1440 ACT: 36

**Salutatorian** of Class of 2023

### Farmingdale State College SUNY (University in the High School)

September 2020 - June 2022

MET 109T Computer Program & Application + MET 215 Robotics

### Long Island University (High School Scholars)

September 2022 - February 2023

ENG 1 Writing I: Composition and Analysis

### University at Albany SUNY (University in the High School)

September 2022 - June 2023

ASPN 200 Intermediate Spanish I

## RESEARCH EXPERIENCE

### Examining Pharmaceutical Accessibility Inequalities In Manhattan - Photovoice

Dr. Maria Lima, CUNY School of Medicine

Jul 2023 - Aug 2023

- Conducted a Photovoice project in diverse Manhattan neighborhoods, revealing the adverse health impacts of inequalities surrounding low-income communities with a focus on pharmacies and medication availability.
- Advocated for improving pharmaceutical standards through governmental incentives, increased resources for people who live in healthcare deserts, and refining the already available services in underserved communities.

## CLINICAL / HEALTHCARE EXPERIENCE

### New York Cancer & Blood Specialists

Shadowing

Oct 2022 - Dec 2022

- Shadowed Dr. Helen Shum at the New York Cancer & Blood Specialists Center to learn about the medical field, specifically hematology and oncology. I observed regular patient medical examinations and transfusions. I also assisted with preparing IV's and collecting bone marrow during a biopsy.

### Glen Oaks Volunteer Ambulance Corps

Youth Squad Social Sergeant

Oct 2021 - March 2023

- Participated in Glen Oaks Volunteer Ambulance Corps Youth Squad meetings, organized social events as Social Sergeant, and learned valuable information about working as an emergency dispatcher / EMT / EMR while meeting with field experts.
- Practiced emergency medicine scenarios and BLS skills such as CPR to prepare for possible genuine healthcare rescues.

### Hillside Pediatrics P.C.

Volunteer

Jul 2022

- Collaborated with the healthcare team to enhance the overall patient experience and ensure a high standard of care for adolescents.
- Spearheaded the recording of patient vitals, meticulously assembling essential patient information and records to facilitate efficient and organized medical consultations.

## WORK EXPERIENCE

### Comet

Remote Fight Test Intern

Jul 2022 - Sep 2022

- Previewed the platform, participated in the early stages of product development, got an insight into the start-up process, learned about new subjects, and shared suggestions that will ultimately shape the service.
- Created multiple projects which required skills such as: Web development, data collection & analysis, marketing, UI / UX design, and coding.

### Ivy Intelligence

Tutor - Part Time In Person

May 2022 - Jul 2023

- Tutored high school regents subjects such as Algebra 1 & 2, Geometry, Living Environment / Biology, and Earth Science, working one-on-one or in small groups to provide additional support and reinforcement of learning concepts.
- Documented and communicated student progress to management, contributing valuable insights to parents.

## VOLUNTEER / COMMUNITY SERVICE EXPERIENCE

### New Hyde Park Memorial High School Summer Enrichment Camp

Summer Enrichment Camp Mentor / Assistant

Jul 2021

- Served as a mentor for new students as well as an assistant for staff at the New Hyde Park Memorial High School's Summer

Enrichment Camp.

- Created a safe and engaging environment for new students entering New Hyde Park Memorial High School by organizing activities.

## **Hillside Islamic Center**

*Volunteer*

Jul 2021 - Aug 2021

- Volunteered at the Hillside Islamic Center as a counselor assistant for the Little Mu'min Summer Camp and worked to help counselors and staff.
- Taught adolescents and assisted counselors in creating engaging activities for the children to participate in.

## **AWARDS, CLUBS, & ACKNOWLEDGEMENTS**

---

### **Recipient of the University of Rochester's Bausch + Lomb Honorary Science Award**

*Issued by University of Rochester · May 2022*

Received a potential scholarship of \$5,000 - 10,000 a year for four years if accepted into the University of Rochester for: High achievement and rigor in science and math classes. + Positive contributions to my school and the larger community.

### **Letter of Commendation**

*National Merit Scholarship Program · Oct 2022*

For outstanding performance on the Preliminary SAT/National Merit Scholarship Qualifying Test in 2021.

### **2022 AP Scholar with Distinction Award**

*Issued by CollegeBoard · Jul 2022*

The AP Scholar with Distinction Award is granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams.

### **NYS Academic Excellence Scholarship**

*Issued by New York State Higher Education Service Corporation · Oct 2022*

NYS Scholarships for Academic Excellence provide up to \$1,500 per year for up to five years of undergraduate study in New York as a result of students' academic performance

### **NASA TechRise Student Challenge Winner**

*Issued by Future Engineers · Jan 2022*

- In my Pre-Engineering class at Sewanhaka High School, my classmates and I created an instrument package composed of various sensors to measure ozone, carbon dioxide, volatile organic compounds, and PM2.5 to demonstrate the effects of climate change and global warming. We also plan to capture images alongside the data capture.
- Worked closely with the systems integration team, camera team, and filming team for our project overview video.

### **Robotics Club**

Oct 2020 - Jun 2023

*Vice President, Driver, Builder, & Designer*

Worked on robots as designer, builder, and driver & competed in FIRST FTC Regional robotics competition Long Island:

- 2020-2021 Long Island Championship: Connect: 3rd Place, Control: 1st Place, Inspire: 2nd Place, Rank: 2nd Place, Promote: 3rd Place, Compass: 2nd Place
- 2021-2022 Long Island Championship (Driver): Connect: 1st Place, Think: 2nd Place, Winning Alliance, Inspire: 2nd Place

### **Junior High Science Olympiad**

Sep 2019 - Jun 2020

*President*

- Organized, managed, and directed our school's Junior High Science Olympiad Club in the 2020 Regional Science Olympiad Competition.

### **Honor Societies:**

- National Honor Society, National Junior Honor Society, National Technical Honor Society, National Science Honor Society, Rho Kappa National Social Studies Honor Society, Literary Luminaries National English Honor Society, Mu Alpha Theta National Math Honor Society

### **Personal Engineering Project**

Jun 2022 - Oct 2022

[Automatic Aquarium Management System \(AAMS\)](#)

- Created a monitoring and management system for my aquarium using a microcontroller and various electronic components.

## **OTHER SKILLS**

---

- [CPR Certified](#)
- MacOS, Linux, Windows, C++, Python, CLI, VSCode, MS Suite, Google Suite, GitHub, CAD, Video Editing.
- Able to solder and can work with microcontrollers such as Arduino and electronic components.
- 90 - 100 WPM typing speed
- Limited Proficiency in Spanish, Fluent in Bengali, Native Proficiency in English