

Education

- **Stony Brook University** Stony Brook, NY
B.S. Engineering Chemistry *Expected 2029*
- **Syosset Senior High School** Syosset, NY
December 2021 - June 2025
 - **Courses Honors:** AP Biology (on going), Adv Science Research 11(on going), AP Microeconomics (on going), AP Calculus AB (on going), AP Psychology (on going), Biology Honor, Chemistry Honor, Research 2, Research 1, AP Statistics, AP Computer Science Principle, Exercise Physiology, Geometry Honor, Algebra 2 Honor, Athletic Training
 - **Relevant Coursework:** ISWL Youth Summer Program, HSSP Summer Program (MIT Online Courses), Spark Program (MIT Online Summer Program), Anatomy (Coursera), Independent Studies Programs in Nutrition (At School)

Leadership Experience

- **Director of Design, Supernova Model United Nation Team** *March 2024 - Present*
 - Attending weekly meetings and participating in events
 - Designing logos, event posters, and certificate templates for organization's events. Responsible for managing organization websites, review event texts.
 - Organized for the summer online international Model United Nation debates
- **Treasure, National Honor Society, Syosset High School** *September 2024 - June 2025*
 - Managing financial records; facilitated clear communication channels between 400+ members and advisors
 - Fostered peer mentorship initiatives and regular guidance sessions, ensuring members' questions and concerns were effectively addressed
- **Tutor, Outreach Team, TeddyBear Community** *April 2024 - June 2025*
 - Teaching Nutrition and Living Environment classes
 - Outreach to other organizations to message of providing free online academic resources to children
- **Founder and Captain, C-pop Dance Group at Syosset High School** *February 2024 - June 2025*
 - Hosting dance learning workshops every alternative week to pursuing members' interests in c-pop dances and help members gain a deeper understanding in Chinese pop dance cultures
 - Organizing fundraisers and providing club members with performing opportunities

Extracurricular Activities

- **Member, [American Society of Nutrition\(ASN\)](#)** *October 2023 - Present*
 - Attending webinars and to engage with research dietitians discussing research progress - seek suggestions for future career development
 - Completed online courses, earned three AMA/CME credits with certificates.
- **Volunteer, [Nutrition Facts Organization](#)** *August 2023 - Present*
 - Edit and translate over 100 blogs each reaching over 2000 reads
 - Attending webinars to enhance knowledge in the nutrition field
 - Interacting with the renowned dietician Dr. Greger
- **Internship, Member, [ISWorldlife Organization](#)** *March 2024 - Present*
 - Attending weekly organization meetings and biweekly mentor sessions. Mentor students during the summer camp on podcast projects.
 - Summer Youth Leadership Program teaching assistant
- **Girls Varsity Bowling Team** *November 2022 - June 2025*
 - Actively participate in matches and practices.

- **Girls Junior Varsity Badminton Team**

March 2023 - May 2023

- Played as a double player, leading the team with the first undefeated season in girls badminton in high school history.

Selected Honors

- **2021-2024 Annual Honor Rolls (All Eligible Years)**
- **2023-2024 Researcher of the Year**
- **2023-2024 Congress Of Future Medical Leaders Award of Excellence**
- **2022-2023 Badminton Coaches Award**
- **2022-2023 Certificate of Merit in Athletics**
- **2019, 2020 City Excellent Class Cadres**

Skills

- **Computer Skills:** Python, C, Canvas, Autodesk sketchbook, Wevideo, Scratch, Google Slide/ Doc/ Form/ Sight
- **Speaking language:** Chinese (Native), French (Elementary proficiency), Spanish (Elementary proficiency),
- **Soft Skills:** Communication Skills, Team Work, Critical Thinking, Adaptability, Problem Solving
- **Certificates:** CPR/AED First Aid Certification

Projects

- **Research paper, Cold Spring Harbor Laboratory**
 - Served as a student volunteer researcher during the summer, investigates whether the Kolmogorov-Arnold Network (KAN) model, with its unique approach of using learnable edge functions, can provide better interpretability compared to the current SQUID framework for analyzing deep learning outputs in genomic sequences, specifically in understanding cis-regulatory elements and their complex interactions.
- **Research paper, Toshiba Research Competition**
 - Collaborated with group members to conduct a research paper on proposing a Smart Service on the gas pump - Developed a concept for a new design with disposable recyclable plastic materials on the pulp handle - Integrated an AI service system to assist customers in avoiding direct contact with the gas pump.
- **Research paper, Final Paper for Research 2**
 - Collaborated with partners to conduct a research paper by doing the experiment investigates what causes energy drinks to emit luminescence by placing cuvettes containing different energy drink samples into a spectrophotometer to record the maximum absorbance and corresponding wavelength. Graphs are made to show the maximum fluorescence for samples from the data within the chart. The paper provides an explanation about the luminescence wavelength that students collected.