

Gavin Sneyd

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Expected May 2028

Bachelor of Science in Mechanical Engineering, Minor in Spanish, **GPA: 3.446**

Selected Coursework: Statics and Mechanics of Solids • Physics: Mechanics and Heat • Physics: Electromagnetism • Thermodynamics • Differential Equations • Multivariable Calculus • Intro to Computer Science Python

Mamaroneck High School, Mamaroneck, NY

June 2024

SAT 1510, AP Scholar with Distinction, Grant Recipient, **GPA: 96.51 Unweighted**

SPECIALIZED SKILLS

Technical: SolidWorks, Fusion 360, XFLR5, Anaconda, Jupyter Notebook, Excel

Language: Spanish (proficient), Python (beginner)

ENGINEERING EXPERIENCE

Integration and Testing, *CUAir*, Cornell University

Sep-May 2024-2026

- Collaborated with a team of peers to repeatedly analyze and improve the performance of a carbon-fiber student-built plane
- Organized and led wing-loading test, performed vibration and vertical/horizontal maiden testing to prepare for competition
- Utilized SolidWorks and XFLR5 software to design wing and fuselage parts and conduct virtual testing and measurements

Lead Engineer, *Collaborative Workshop*, Mamaroneck High School

Sep-May 2024

- Served as the lead engineer on a multi-disciplinary team designing innovative, durable, and interactive outdoor equipment
- Applied Fusion 360 and machining to assemble different 3D designs and estimate costs, operating within a \$10,000 budget

LEADERSHIP EXPERIENCE

Co-Founder, *Community Food Scrap Program*, Mamaroneck, NY

Sep-May 2022-2024

- Led a project designing and operationalizing a pilot to prove the viability and value of a local weekly food waste pick-up
- Diverted 13,000+ lbs. of waste into compost and successfully lobbied town officials to adopt project as a town-run service

Events and Development Chair, *Ski and Snowboard Club at Cornell*, Ithaca, NY

Sep-May 2025

- Recruited, trained, and mentored 10+ junior officers, preparing them for expanded leadership roles within the club
- Developed Excel systems tracking junior officer involvement and established assisting positions tailored to their skills
- Coordinated with 10+ campus organizations to host events, including ski trips, social gatherings, and e-board activities

PROFESSIONAL EXPERIENCE

Camp Counselor, *Onondaga Camp*, Minden, ON

Jun-Aug 2022-2025

- Dedicated 13 hours/day to fostering lasting camper relationships through empathy, consistency, and inclusive mentorship
- Selected by directors to manage and maintain inventory/conditions of the driving range, gaining operations experience
- Chosen multiple times for senior leadership role in supervisor's absence; recognized for work ethic and positive attitude
- Earned certifications in lifesaving, standard first aid, high ropes course, mountain biking, and canoe instructing

Ski Instructor, *Windham Mountain Club*, Windham, NY

Dec-Apr 2019-2023

- Fostered season-long connections with 4–6-year-old students through supportive advice, patience, and active engagement
- Designed and executed engaging drills to build foundational skills and foster confidence, teamwork, and joy for the sport
- Crafted progress reports on students' development and communicated growth, challenges, and next steps with their parents

ACTIVITIES and INTERESTS

Skiing • Chess • Listening to music • Spanish • Camping • Soccer • Weightlifting • Tennis • Lego • NFL (Bills) • Puzzles
Soccer Referee, Baseball Umpire: Exercised authority, sound judgment, and decisiveness in high-pressure moments