

Daniel Hong

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EDUCATION

University of Toronto

Sep 2023 - Apr 2028

BASc in Engineering Science

4.0 GPA

- Frank Howard Admission Scholarship (\$5000), National Book Award
- Varsity Track and Field, Engineering Society

Bloor Collegiate Institute

Sep 2019 - June 2023

High School Diploma, TOPS Certificate

98 Average

- Two-year Student Council Member. Founder of Newspress Club (50+ members).
- AP Physics B, AP Physics C, Digital Design Subject Awards. Graduating athlete of the year scholarship. Track and Field OFSAA Qualifier, Varsity Volleyball MVP, Varsity Ultimate MVP.

EXPERIENCE

University of Toronto Aerospace Team (UTAT)

Dec. 2023 - Present

Mechanical Subteam Member

- Designed the bulkheads for the fuselage of a Quadcopter using solidworks. The quadcopter is set to compete in the 2024 national Unmanned Aerial Systems competition.
- Optimized fuselage design by running stress and flow simulations.
- Assisted in molding, laser cutting, and construction.

University of Toronto Wind Team (UWind)

Dec. 2023 - Present

Mechanical Subteam Member

- Used solidworks to model and design the nacelle of a small-scale wind turbine in preparation for the 2024 International Small Wind Turbine Contest.
- Optimized the design for component accessibility and aerodynamics using Ansys and Solidworks simulations.

Bloor Collegiate Institute

Dec. 2023 - Present

Yearbook Director

- Led a team of 20 members to produce a school yearbook using Adobe Photoshop and Adobe Indesign.
- Communicated with the production company and organized team meetings. Personally made 20 pages.

Spirit of Math & Teenage Tutors

Sep. 2022 - Current

Assistant Teacher, Tutor

- Led instructional exercises as an Assistant Teacher for a 6th-grade class at Spirit of Math. Worked one-on-one with students.
- Tutored my high school clients calculus, mechanics, and functions.

SKILLS & INTERESTS

- **Skills:** Solidworks, Matlab, Python, Java, C, CSS, Javascript, HTML, Photoshop, Adobe Illustrator, Adobe Indesign, Adobe Premiere, Adobe After Effects, Netlify, MS Office, Live Transcribing.
- **Languages:** English, Chinese, French
- **Interests:** NBA, kayaking, windsurfing, basketball, chess.