

# Daniel Hong

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## EDUCATION

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### 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

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### University of Toronto Aerospace Team (UTAT)

Dec. 2023 - Present

*Mechanical Subteam Member*

- Designed the fuselage bulkheads 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 on Solidworks and Ansys.
- 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.

### Bloor Collegiate Institute

Sep. 2021 - June. 2023

*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.

### 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

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