

# HAY SHUN HARRISON CHAN

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## Education

**Bachelor of Applied Science, Mechanical Engineering**, University of Toronto St. George Campus

2018 – Present

**Minor in Engineering Business and Minor in Robotics and Mechatronics**

Course Design Projects:

- Design of a CNC milling machine, MIE243 – Mechanical Engineering Design
- Project Manager for Flood Prevention at Erindale United Church, APS112 – Engineering Strategies and Practice II
- Team Leader for User Interface for Tanvas Haptic Tablet, APS111 – Engineering Strategies and Practice I

## Qualifications

- Languages: English, Cantonese, Mandarin (native); French (working)
- Software: Microsoft Office, Project, Visio; AutoCAD; SolidWorks, Adobe Creative Suite, WordPress
- Programming Languages: C/C++, Python, HTML5 & CSS3, JavaScript, jQuery, R
- Technical Skills: 3D printing, machining, technical writing, communication, photography, web design

## Work Experience

**Intern**, Ministers' Regional Offices, Government of Canada, Vancouver, BC

May 2019 – August 2019

- Prepared daily Chinese media and weekly BC regional briefings for Prime Minister's Office and all Minister's Offices
- Compiled set of one-page briefings for different regions of BC, detailing demographics, and regional policy concerns
- Advised, helped plan, and staffed Prime Minister and Ministerial events in BC through weekly national conference calls

**Textbook Department Student Staff**, Vancouver College, Vancouver, BC

June 2015 – August 2018

- Managed and oversaw entire operations of textbook department, including \$2.5 million of inventory and two junior workers
- Processed all textbook issuances and returns throughout the school year and prepared fines for damaged/lost books
- Coordinated move of entire textbook room across campus to new location

## Additional Experience

**Vice-President Student Life**, University of Toronto Engineering Society

April 2020 – Present

- Handled day-to-day Society operations, such as answering queries in email and online, and helping clubs with funding
- Oversaw projects of the Society such as the Orientation Committee, Design Team Association, and social media accounts
- Interacted with the Faculty and clubs on COVID-19 mitigation and helped coordinate plans for gradual re-opening of facilities

**Propulsion Design Member**, University of Toronto Aerospace Team

September 2018 – Present

- Designed the nozzle assembly for the hybrid rocket, to secure the new phenolic nozzle to the exhaust of the engine chamber
- Improved safety of the spin-caster, the fuel moulding device, by designing a stand and introducing pressure releases.
- Represented UTAT at community outreach functions, from events at the Ontario Science Centre to university applicant events

**Member of the Board of Directors**, University of Toronto Students' Union

April 2019 – April 2020

- Represented over 5000 engineering students on the board of the students' union, and sat on the Finance and Student Aid committees, helping reform the budget considering revenue decreases, and restructure the financial aid/bursary program.
- Debated on issues pertinent to engineering students and all students at the university at board meetings, including university mental health policy, changes to health and dental plans, and mandatory microtransactions in courses.
- Helped conduct hiring for vacant board director and appeals board members

**Skule™ Kup Director**, University of Toronto Engineering Society

April 2019 – April 2020

- Formed and lead executive team for the Skule™ Kup, an interdisciplinary yearlong competition to increase student comradery
- Planned and ran monthly events and mini competitions, collaborating with other Engineering Society directors and schools
- Lead the planning of an inter-school event with Ryerson engineering students, for a game of Capture the Flag at UofT