

Jaehah Shin

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Toronto, ON

Education

University of Toronto | B.A.Sc in Engineering Science

Sep 2022 - 2026 + PEY

Toronto, Ontario, Canada

Yale Secondary School | Dogwood Diploma

Sep 2018 - June 2022

Abbotsford, British Columbia, Canada

Experience

Undergraduate Research | Ted Rogers Centre for Heart Research – Franklin Research Lab

May 2023 – Present

- Supervised by Professor Daniel Franklin
- Helping graduate student on Induced Local Thermal Hyperemia Coupled with Laser Doppler Flowmetry to Assess Endothelial Function More at: <https://franklinresearch.ca>

Aerodynamics Subsystem | UTwind

Feb 2023 – Present

- Using qBlade software to optimize the shape of the blade
- Making part of the turbine, using 3-d printer and wood.
- Working on for the International Small Wind Turbine Contest currently.

Q - News Contributor | UTQC (University of Toronto Quantum Computing)

Jan 2023 – April 2023

- Writing each week's q-news segment, as editors on LaTeX.
- Find an article that is related to quantum computing that I found interesting and helpful to people.

Laboratory Technician / Laboratory Assistance | Yale Secondary School Chemistry Lab

Sep 2021 - Jun 2022

- Made AP Chemistry questions for a test bank for the Edvantage AP 2 book publisher
- Taught chemistry classes on an as-needed basis when the teacher was absent
- Organized Chemistry Lab weekly
- Prepared for the Lab Materials and solutions daily
- Marked students' tests and lab reports daily
- Made quizzes

Student | UTMIST Study Session (University of Toronto Machine Intelligence Student Team)

Sep 2022 - Present

- Learning about the Introduction to Deep Learning through Coursera
- Attending weekly UTMIST study sessions to learn.

Student | qLearn software UTQC (University of Quantum Computing)

- Learning about the quantum software related offered by UTQC
- Attending weekly UTQC lecture session to learn.

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Teacher Assistance in AP Calculus AB | Yale Secondary School

Sep 2021 - Jun 2022

- Made quizzes
- Marked every quiz and test daily
- Taught AP calculus classes on an as-needed basis when the teacher was absent

Vice President | Raum Hangul

Sep 2020 - Present

- Korean volunteer foundation that I co-founded with my friends during the pandemic
- Assembled students across Canada to volunteer to help children learn
- Hold several events at the UBC to offer information about university admission and career paths to high school students by inviting mentors from various fields
- Oversee all students, teachers, and programs
- Contact newspaper publishing companies to promote events
- Made posters to promote events

Flight Sergeant / Second-In-Command of Flight | 861 Silverfox Cadet

Jul 2018 - May 2022

- Taught lessons weekly to level 4 cadets about
 - Aerospace
 - Drill Movements
 - History of the World
 - General knowledge of Air Cadets

Executive of Marketing Department | UTKESA

Sep 2022 - Present

- Make posters to promote events

Awards and Scholarships

- British Columbia Chemistry Olympiad: Bronze Medal, School Champion | June 2021
- TRU chemistry contest | 3rd place in B.C. | June 2021
- UFV math contest B.C. | 4th place | Feb 2019
- 18U AA Baseball Provincial Championship | MVP / 1st place in B.C. | Aug 2021
- Youth Leadership Scholarship | Issued by Milal Church in 2022
- Joseph Chung Scholarship | Issued by Coram Deo Foundation in 2022

Certifications and Skills

- HSK (Chinese Proficiency Test)
- Certification in Korean Proficiency Test (Highest Level)
- Chinese Character Certificate (Pre-level 4)
 - A lower level is better
- Python
- LaTeX
- Type Script
- Mermaid (language that creates graph)
- C
- CAD

- VIM
- MATLAB
- Microsoft Office Suite: Word, Excel, PowerPoint
- Language:
 - Korean (Native) | English (Native)