

Sean Huang

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Summary of Skills

- Java (Three Years - Proficient)
- Python (Two Year - Proficient)
- C (One Year – Elementary)
- MATLAB (One Year – Elementary)
- HTML (Basic)
- SQL (Basic)
- Effective communication skills with the ability to connect with team members and leaders
- Solid organization and analysis skills
- Team player, capable to work independently and in a team environment
- Fully bilingual, fluent in English and French

Education

University of Toronto – Engineering Science (B.A.Sc.) – September 2020 to Present

- Second Year EngSci Student Targeting ECE or Aerospace Options

Toronto French School – High School – September 2018 to May 2020

- Advanced Bilingual IB Diploma (37 IB Points, 95% Graduating Average)

Project Experience

Engineering Design Team – Harmony Farms – January 2021 to April 2021

- Spearheaded the design and layout of a rotational grazing system for Harmony Farms in Eastern, Ontario as a part of our Praxis II Engineering Design Course

Software Developer – À La Carte (Student-led Startup) – January 2021 to Present

- Contributing to the development of a mobile application permitting users to sell homemade food
- Uses a Flutter frontend and Firebase backend

Software Developer – Toronto French School Parents Association – January 2019 to June 2019

- Developed a JavaFX based point-of-sales system automating uniform sales and increasing efficiency by 50%
- Implemented a JDBC based backend database

Software Intern – Baycrest Health Services – June 2019 to December 2019

- Participated in the development of ArtOnTheBrain, a healthcare application which prevents cognitive decline in seniors by encouraging interaction with art and history

Volunteer Experience

Design Team Member – University of Toronto Aerospace Team – September 2020 to Present

- Member of the Recovery Subsystem of the Rocketry Division
- Spearheaded the development of a shock force validation test for the parachute system of a Defiance Hybrid Rocket

Senior Flight Sergeant – Royal Canadian Air Cadets – January 2017 to Present

- Project lead - Responsible for the mentoring, development and the success of a small group of junior cadets in the program

Awards and Accomplishments

- U of T Engineering Scholarship
- Lt Col S.L. Beaton Trophy – Trenton Cadets
- Cpl Osborne Award – 188 Cobra Squadron
- DECA Ontario HTOR Semi-Finalist

Other Interests and Hobbies

- Astronomy, Aeronautics and Aerospace
- Culinary Arts
- Visual Arts and History
- Mandarin (Third Language)

References available upon request