

# Elvis Cheung

## Mechatronics Engineering 1B

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### Summary

- Proficient with modelling on AutoCAD and Solidworks
- Experience in C++ and Python programming
- Excellent leadership skills through the planning and organization of a school-wide mathematics competition
- Communication and teamwork skills through a variety of projects.

### Skills

- **Programming**
  - C++, Python
- **Tools**
  - Solidworks
  - AutoCAD
  - Excel

### Projects - [github.com/EC28](https://github.com/EC28)

#### • **Conveyor System Design Project**

- With a small group, designed a box sorting conveyor system for a course project. The design was modelled using manufactured parts found through various online sources. Throughout the process, the designs were presented along with written reports.

#### • **Phone Stands**

- Prototyped a 3D printed phone stand modelled through Solidworks implementing the design process and the restriction of several criteria and constraints.
- Designed a mounted phone stand that can be clipped to the side of a computer screen modelled using Solidworks.

#### • **Text Summarizer**

- Developed a text summarizing application using Python to output the sentence that best summarizes the entered text.

### Experience

#### • **ESSMT (Erindale Math Tournament) Organizer** | November 2019 - February 2020 |

(Erindale Secondary School, Mississauga, ON)

- Organized a school-wide mathematics competition with over 50 participants.
- Aided in the search for sponsors, promotion of the event, and the creation of the website.

#### • **Skills Ontario Camp Assistant** | July 2017 | (Hamilton, ON)

- Organized activities to keep the participants engaged in the camp.
- Collaborated with the camp leaders to organize and lead group activities.
- Resolved any arguments and conflicts among feuding participants.

### Education

**University of Waterloo**, Waterloo, ON (2020 - present)

- Mechatronics Engineering

**Erindale Secondary School**, Mississauga, ON (2016 - 2020)

- International Baccalaureate certificate program

### Interests

- Arduino, Raspberry Pi, Badminton, Sketching and Painting, Piano