

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, teamwork, and leadership skills portrayed through a variety of projects

Skills

- **Programming**
 - C++, Python
- **Tools**
 - Solidworks
 - AutoCAD
 - Microsoft Office

Projects - 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 and written reports were presented and submitted.

• Phone Stand Design

- Prototyped a 3D printed phone stand modelled through Solidworks implementing the design process and the restriction of several criteria and constraints.

• SplitStub

- A program that allows the user to scan the items listed on a grocery receipt to track their spending and divide the costs for shared receipts. Programmed using the Pytesseract library for optical character recognition through Python.

• Text Summarizer

- Coded and developed through Python which outputs the sentence that best summarizes the user's inputted 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 Leader 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)

- Bachelor's of Mechatronics Engineering

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

- International Baccalaureate Certificate Program

Interests

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