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Experience & Extra Curricular

Incendium Academy

2020 - present

Co-Founder

- **Co-founded** a non-profit online education platform that aims to level the playing field for high school students who cannot afford STEM contest preparation.
 - ◆ Received the **Rising Youth Grant** - national grant handed out to youth driving change in Canada.
- **Director of Operations**
 - ◆ Led a team of 15 people coordinating front-end development using tools like Github.
 - ◆ Worked with contest winners to develop a potent contest-based curriculum.
 - ◆ Continue to write and record lessons on various math contest topics as a lead on the math team.

Mackenzie Science Club

2017 - present

Event Designer

- Designed and supervised **20+ weekly events for over 300 club members**.
- Coordinated our annual Mackenzie Science and Engineering Olympics (MSEO) for over 100 middle school students.
- Implemented the Discord verification bot that would help facilitate online club security.

Chemistry Club

2020 - present

Co-President

- Provided bi-weekly lessons on difficult inorganic chemistry topics, and created supplementary problem sets.
- Developed the chemistry club website that maintains lesson archives and meeting information with the other co-president.

Model UN

2019 - present

Secretary

- Structured club logistics using platforms like Discord, Zoom, and MUNCommand to ensure a smooth virtual experience.
 - ◆ Introduced a club website to keep track of information and communications.
- Ran mock committee sessions during weekly meetings to familiarize Model UN team with conference procedure.

Peer Tutoring

2019 - present

Math Tutor

- Tutored grade 10-11 students several times a week explaining various math concepts.
- Helped one student increase their mark from midterms to finals by 19%.

Achievements

- **GEO Model UN 2020:** Best Small Delegation against **global competitors**.
- **CEMC/COMC Math Contest 2018, 2019:** Honour Roll: Fryer, CSMC; Fermat (120); Euclid (61); Top Quartile: COMC (2019)
- **University of Guelph Science Olympics 2019:**
 - ◆ 1st place in chemistry event, 2nd in biology categories.
- **University of Guelph Science Olympics 2018:**
 - ◆ 3rd place in physics category.

Projects

Game Development: Interactive educational fire safety game with 3 unique levels that each use different computer I/O. Made in Java.

Portfolio: A website built from scratch, with a blog feed of various topics written over quarantine. Created with HTML/CSS.

More projects can be found on my website.

Education

William Lyon Mackenzie CI
Grade 12 MaCS Program

Standing top 6 average: 97

MaCS Program:

Specialization in math and computer science

AP Credits

Computer Science A (5)

Calculus BC (5)

Skills

Technologies:

- Java, C/C++, Turing, HTML, CSS
- Arduino, Git, SketchUp, Adobe

Other:

- English, Korean
- LSS Lifeguard/SFA