

Jae Gwan Park

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Experience & Extra Curricular

Incendium Academy

2020 - present

Co-founder, Software Developer

- **Co-founded** a non-profit 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
 - ◆ Hosted 80+ users from North America, with an overall impression of 500+ views
- Lead a team of 15 people coordinating [website](#) development, product design, content creation, and marketing
- Directly supervised a sub-team of 4 software engineers assigning work and designing software architecture

Technologies Used: HTML, SCSS, YAML, liquid, LaTeX, ruby/jekyll, JavaScript, Git

Mackenzie Science Club

2017 - present

Executive Event Designer

- Coordinate the chemistry branch of Mackenzie Science and Engineering Olympics (MSEO) for 150+ middle school students
- Designed and supervised **30+ weekly events for over 150 active club members**
- Implemented the "Verify" Discord verification bot to help facilitate online club security

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

Tutoring

2019 - present

Math Tutor

- Tutored grade 9-11 students several times a week explaining various math and computer science concepts
- Helped one student increase their mark from midterms to finals by 19%

Contests & Achievements

- **GEO Model UN 2020:** Best Small Delegation against **global competitors**
- **Math Achievement:**
 - ◆ Honour Roll: Fryer (2018), CSMC Top 3% (2019)
 - ◆ Notable scores: Euclid 77 (2021); Fermat 120 (2020)
 - ◆ COMC Top Quartile (2019)
- **University of Guelph Science Olympics 2019:**
 - ◆ **1st** place in chemistry event, **2nd** in biology category

Education

University of Toronto

Engineering Science
Class of 2025 + PEY

William Lyon Mackenzie CI

MaCS Program Class of 2021

Top 6 average: 98.8

MaCS Program: Specialization in math and computer science alongside OSSD.

Projects

Defeat the Heat: an educational PC game that teaches the player about fire safety

Portfolio: a website built from scratch, with a paginate blog feed and card project display

Simon Says: an interactive memory game based on a flashing colour wheel

Theatre Widget: an app that allows users to control theatre purchase/seating in a cinema

Home Security System: a real life home security system built with Arduino.

More projects can be found on my website.

Skills

Languages/Technologies:

Java, C/C++, HTML, CSS/SCSS, LaTeX, Git, jekyll, Ruby, Assembly (8085), Turing, JavaScript, Arduino, SketchUp, TinkerCAD

Other:

English and Korean proficiency, LSS Lifeguard, SFA