Jae Gwan Park

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Experience & Extra Curricular

Incendium Academy   *2020 - present*
Co-founder, Software Developer
➔ **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
➔ Lead a team of 15 people coordinating front-end development of the main website
➔ Work on Youtube API integration to efficiently extract video data from our Youtube channel
Technologies Used: HTML, SCSS, YAML, liquid, LaTeX, ruby/jekyll, JavaScript, Git

Mackenzie Science Club   *2017 - present*
Executive, Event Designer
➔ Designed and supervised **30+ weekly events for over 150 active club members**
➔ Coordinate the chemistry branch of Mackenzie Science and Engineering Olympics (MSEO) for 150+ middle school students
➔ Implemented the Discord verification bot to help facilitate online club security

Chemistry Club   *2020 - present*
President
➔ Provide bi-weekly lessons on inorganic chemistry topics, and create supplementary problem sets
➔ Developed the chemistry club website that maintains lesson archives and meeting information

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%

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 category
➔ **University of Guelph Science Olympics 2018:**
   ◆ **3rd** place in the electrical circuits category

Education

William Lyon Mackenzie CI
Grade 12 MaCS Program
   Top 6 average: 98.8
   MaCS Program: Specialization in math and computer science
AP Credits
Computer Science A **(5)**
Calculus BC **(5)**

Projects

Defeat the Heat: an educational fire safety game with 3 unique levels made in Java
Portfolio: a website built from scratch, with a paginate blog feed and project card display
Simon Says: an interactive memory game based on a flashing colour wheel
Theatre Widget: a tool that allows users to control theatre purchase/seating in a cinema

More projects can be found on my website.

Skills

Languages/Technologies:
Java, C/C++, HTML, CSS/SCSS, LaTeX, Git, jekyll, Ruby, Turing, JavaScript, Arduino, SketchUp
Other:
➔ English, Korean proficiency
➔ LSS Lifeguard/SFA