

Joshua D. Kim

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Skills

Languages C/C++, Java, Python, HTML5, CSS3, Racket

Technologies Git/GitHub, VSCode, VirtualBox, Unix, Figma

Projects

Pitch Your Best Beat!

Aug. 2018

- Interactive teaching tool written in **Java** demonstrating the physics concept of *frequency beats* to students through user-generated tones, written lessons and quiz.

Finger Counter (Sign-to-Speech Prototype) CUHACKING

Jan. 2020

- Live video fed **Python** program recognizing number of fingers held using **OpenCV** to learn about sign-language recognition.

Experience

Kumon Math & Reading Centre TEACHING ASSISTANT

Toronto, Ontario | Jan. 2017 - Feb. 2020

- Mentored students struggling with math individually, improving one such student's Kumon grades by **+50%**.
- Graded and filed worksheet portfolios for **150+** K-12 students with an emphasis for quick, precise marking.
- **Co-managed** the centre in case of the Director's planned absence, which entailed opening and closing.

Centre Communautaire d'Arthabaska CAMP COUNSELOR

Victoriaville, Quebec | July - Aug. 2017

- Co-led daily activities and weekly field trips in **French** for 150 children ages 5-12 for 35 hours per week.
- Worked with a Francophone team of 10 counselors and 2 supervisors.

Leadership

Association of Korean-Canadian Scientists and Engineers @uWaterloo CATEGORY MANAGER

Sept. - Dec. 2020

- Improved Facebook promotions click-through rate by **+67%** by leveraging Facebook analytics and direct participant feedback, and prepared 4 formal oral and written marketing reports to guide future promotions.
- Organized 3 virtual academic and social events aimed at Korean-Canadian students, averaging 75 attendees.
- Presented to **150+** prospective students and parents about admissions to the Waterloo Math faculty and led a moderated Q&A session for 40+ attendees in both English and **Korean**.

St. Robert Student Council

Thornhill, Ontario | Sept. 2015 - Feb. 2019

- **President** [2018-19]
 - Organized a **record-breaking** freshman dance and talent show averaging **600+** attendees by rebranding events and reforming Student Council in response to constitutional changes.
 - Led a team of 20 representing 1724 students to organize **8** school events and fundraisers.
 - Opening speaker for open house (**1000+** attendees) and freshman orientation events as a student body representative.

Volunteering

Mackenzie Richmond Hill Hospital STUDENT VOLUNTEER

Richmond Hill, Ontario | Sept. 2016 - Feb. 2019

- **Special Projects Committee** [2018-19]
 - Organized holiday and food fundraisers for the hospital's \$500,000 goal for mental health initiatives.
 - Raised **\$500+** by taking 4 otherwise empty volunteer supervisor shifts during mall holiday gift wrap event.

Education

University of Waterloo HONOURS BACHELOR OF COMPUTER SCIENCE

2020 - 2025

- CGPA: **90.33%**, Spring 2020 Term Dean's Honours List
- Relevant Courses: Designing Functional Programs - 91%, Algebra for Honours Mathematics - 91%
- Notable Course Work: Unistroke Gesture Recognizer, Calculating Stationary Distribution of a Markov Chain

Awards

- 2019 **LORAN National Scholarship Semi-Finalist** - Top 10% of 5,089 students across Canada for Character, Service, Leadership.
- 2019 **Lieutenant Governor's Community Volunteer Award for Students** - Volunteered 1056+ hours over 4 years.