

Joshua Duho Kim

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Skills

Languages C/C++, Java, Python, Bash, Racket (Scheme), R, SQL, HTML5/CSS3, UML

Tools/Technologies Linux, Git, Office365, Azure, VSCode, Android Studio, Figma, Bootstrap, MySQL, React, Node.js

Projects

🔗 **Keeper** PROJECT MANAGER; NATIVE ANDROID APP DEVELOPER; NFC INTEGRATION LEAD Hack the Six 2021

- Ideated project and organized a team of 4 using the **Agile XP** framework to design (Figma) and build a native Android app in **Java** to send and receive B2C electronic receipts with a single tap (**AndroidX NFC**), backed up to the cloud using **Flask** and **MySQL** server hosted on **GCP**
- Selected as **Top 8 Finalist** from 99 teams, leading the live demo presentation and pitching to judges from various banks
- Intend to continue working on the project with the current team, and keenly interested in creating a startup in the future

🔗 **Pitch Your Best Beat!**

- Built a **Java** app demonstrating the concept of 🔗 *beats (physics)* with interactive lessons, quiz, and custom pitches
- Emits reference and GUI-inputted pitch simultaneously using **JavaX** sound libraries to create an audible beat frequency
- Created lesson plans from scratch with an emphasis on interdisciplinary applications to music harmony and tuning

Experience

Project Manager MICROSOFT - AI FOR FINANCE; WATERLOO EXPERIENCE ACCELERATE PROGRAM May 2021 - Aug 2021

- Prototyped an AI savings coach and OCR receipt scanner extracting valuable data from receipts to help Millennials track spendings and identify areas they can save using **Azure** Machine Learning, Blob Storage, OCR API, and PowerApps
- Managed roles, meetings, agendas, action items, project timelines for a team of 5 using the Waterfall model and Kanban
- Completed 🔗 **AZ-900 & AI-900 certification exams** (Azure & AI Fundamentals) and Microsoft AI Business School training
- Developed problem statement, identified target demographic, conducted market analysis, and pitched the business plan and 🔗 demo to a Senior Audit Manager from RBC with mentorship from RBC and Microsoft

Teaching Assistant KUMON MATH & READING CENTRE Jan 2017 - Feb 2020

- Individually mentored students struggling with math, improving one such student's Kumon grades by +50%
- Co-managed the centre in case of the Director's planned absence, which entailed opening and closing the centre

Camp Counselor CENTRE COMMUNAUTAIRE D'ARTHABASKA (VICTORIAVILLE, QC) Jul 2017 - Aug 2017

- Co-led daily activities and weekly field trips in **French** for 150 children 35 hours per week

Leadership

Category Manager ASSOCIATION OF KOREAN-CANADIAN SCIENTISTS AND ENGINEERS @UWATERLOO Sep 2020 - Dec 2020

- Procured and analyzed quantitative and qualitative marketing data for events and advertisements to present formal reports and recommendations to the association, leading to the creation of 2 new events
- Improved Facebook click-through rate by +67% and presented 4 formal marketing reports to guide future promotions
- Organized 4 virtual academic and social events aimed at Korean-Canadian students, averaging 75 attendees
- Presented to 150+ students and parents about Waterloo admissions and led a Q&A session in **English** and **Korean**

President ST. ROBERT STUDENT COUNCIL Sep 2015 - Feb 2019

- Led a team of 20 members representing 1724 students to organize 8 school-year events and fundraisers
- Organized a record-breaking talent show (**1000+ attendees**) and freshman dance (275+ attendees)
- Emceed at open house (1000+ attendees), orientation, talent show, Semi-Formal, as the student body representative

Education

University of Waterloo HONOURS BACHELOR OF COMPUTER SCIENCE, CO-OP 2019 - Current

- cGPA: 86.9%, President's Scholarship of Distinction, Spring 2020 Term Dean's Honours List
- Object-Oriented Programming (C++), Algorithm Design & Data Abstraction (C), Functional Programming (Racket)

Awards

2019 **LORAN National Scholarship Semi-Finalist**

2019 **Lieutenant Governor's Community Volunteer Award for Students** Awarded for volunteering 1056+ hours