

Woo Young Keum 금우영

Seoul, South Korea | 010-5176-4533 | artistkwyoung@gmail.com

EDUCATION

York University Toronto, Canada

Sept 2020 - Current

Bachelor of Science (Bsc) Computer Science, Honors. **GPA: 7.8 / 9**

- President and Dean's List (6/6 Semesters)
- Circle of Scholars (6/6 Semesters)

Relevant (Recent) Courses

- AI and Logic Programming
- Machine Learning and Pattern Recognition
- Artificial Intelligence
- Software Design
- Design and Analysis of Algorithms
- Object-Based Programming
- Programming for Mobile Computing
- Database Systems

Chiang Mai International School Chiang Mai, Thailand

Sept 2016 - Sept 2020

High School **GPA: 3.85 / 4**

HONORS and AWARDS

Full-Ride International Scholarship (\$140,000) York University

Sept 2020 - Current

International Entrance Scholarship of Distinction given to 2 students per year at York University.

- "The scholarship chooses students with outstanding academic excellence and extracurricular involvement among the top international students admitted to York University."

International Student Entrance Scholarship (\$8,000) York University

Sept 2020 - Current

International student entrance scholarship given to the top bracket of students with high grade point averages, in the president or dean's list.

PROJECTS

AI Rubik's Cube Solver

Program written in Prolog to find the shortest sequence of moves to solve any given state of a Rubik's Cube, explored using Breadth-first search and meet in the middle strategy.

AI 15 Puzzle Solver

Prolog program to get the Manhattan Distance of any given game state to the solution, explored using Depth-First search.

AI Candy Identifier for Allergen Warnings

Multi-class classification vision model written in pytorch using convolutional neural network (CNN) and softmax activation function achieving 99% accuracy on our set identifying Kitkat, Snickers, M&Ms, web scraped off Google.

COVID19 and the Disruption of Student Learning in the US during 2020 Data Thesis

Data Analysis report on the effect of the pandemic and virtual delivery of education in the US. Dataset retrieved, cleaned, and organized using python pandas library.

PAST EXPERIENCES

Resident Advisor York University - Tatham Hall

Sept 2021 - April 2022

Created and executed initiatives addressing diversity, personal development, and academic success. Leveraged public speaking proficiency to deliver informative hall programs, educating residents on subjects of wellbeing.

Teaching Assistant York University

October 2022 - April 2023

Carried out academic activities such as assessment and tutorials, as well as help 50+ students with direct feedback and guidance.

Skills

Languages Spoken

Mandarin, Japanese, Korean, English

Technical Skills:

Python, Pandas, Pytorch, Numpy, Keras, Java, Javascript, HTML, CSS, Prolog, MySQL, Tensorflow