Suyeon Park

University of Toronto Engineering

CONTACT

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EDUCATION

2022 - 2026
University of Toronto

TrackOne, Faculty of Engineering and Applied Science

2018 - 2022
St. Francis Catholic Secondary School

- Honour roll for 4 years
- Art / Tennis Clubs
- Participated in Waterloo math competition

SKILLS

Computer proficiency:
- Microsoft office
- Google G Suite

Programming:
Python, C, C++, MATLAB
PyTorch, Google Collab, GitHub

Graphic skills:
- Adobe (Photo/video editing)
- Blender (3d printing)
- Krita, and other illustration apps

LANGUAGES

English - very fluent

Korean - native

RELEVANT EXPERIENCE

April, 2023 - Current
Personal Project: Toronto Housing Market Analysis
- Developed an AI model using multiple variables such as taxes, inflation rate, location, and square footage to predict Toronto house prices in the near future
- Trained a Random Forest regression model on the given data and deployed it to predict the profit from marketing the property

Feb 23 - 24, 2023
Toronto Health Datathon | Google
- Won 2nd place in the competition
- Utilized linear regression analysis in Python to create a machine learning algorithm that predicts a patient's race/ethnicity based on the difference between SaO2 and SpO2
- Learned about the biases in AI/MI in medical fields from healthcare leaders and ways to utilize them

Jan - Apr 2023
Project Manager | Sunnybrook Hospital, UofT
- Managed the Optimization of Flow for Ambulatory Patients project in an Emergency Department of Sunnybrook Hospital in Toronto, Ontario
- Designed an ML prediction model that utilizes a self-questionnaire with the ChatGPT API to collect patient information and predict future demand and usage for medical supplies based on patient census and historical data
- Created a prototype of a system that sends a notification to the user's device in case of a shortage of supplies in medical carts, using an Electronic Arduino Weight Sensor
- Delegated tasks to team members based on their skills and talents

Jan 2023 - Current
AI & ML Developer | CloudClub
- Worked in an AI team to develop image generation and an AI-based game player using PyTorch
- Learned to use code hosting platforms or libraries such as GitHub, PyTorch, and Google Collab
- Participated in weekly meetings to actively discuss the path of the AI & ML project

Jan 2023 - Current
EWB Researcher | Engineers Without Borders
- Participate in the EWB Community Partnerships Project as a researcher
- Gave a speech on environmental issues at the Youth Talk event organized by Toronto City Hall
- Conduct research on environmental issues and ways people can easily participate in city advocacy
- Organized an event to raise environmental awareness in the community and encourage students to participate in the movement by introducing easy steps to improve the environment using social media and petitions

WORK / VOLUNTEER EXPERIENCE

Oct 2022
Event Organizer | UofT Chelsea Residence
- Organized a successful Halloween event with over 50+ participants out of 100 students on the floor
- Brainstormed creative ideas and decorated the assigned rooms to maximize the enjoyment of participants, effectively communicating with Residence Life Coordinators and Residence Dons

Fab 2020 - Apr 2022
Private Tutor / Tutoring Volunteer
- provided in-person teachings to Grade 8 and 10 students about Grade 11 Math, English, and OSSLT Test preparation three times a week
- Organized worksheets/answer sheets and materials independently and encouraged students to adopt a self-directed learning style
- Regularly volunteered as a peer tutor at school to help academically struggling peers

Feb - Mar 2019   **Food Delivery for Seniors**

Feb 23, 2019   **Winter Support for Homeless People**