JIWON CHOI

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EDUCATION

University of Toronto

Honours Bachelor of Science

📅 September 2021 - April 2025 (Expected)

- Double Major in Mathematical Sciences and Applied Statistics
- Minor in Computer Science

SKILLS

Python | R | Kotlin | Java | Object Oriented Programming | JavaScript | HTML/CSS

Pandas | NumPy | Matplotlib | Microsoft Office | AWS | Git | Pytorch | Android Studio

Korean - Native
English - Proficient

EXPERIENCE

MakeUofT 2023 <Selfie Paradox>

Hackathon - Team Project

📅 Feb, 2023

- Participated in designing UI with XML and developing the backend with Kotlin of an android camera app using Android Studio and Arduino.
- Led efforts to establish a functional Bluetooth connection to obtain physical distance data between the subject and HDK device, enabling the camera to adjust accordingly.

Credit Default Risk Prediction Project

KAGGLE MACHiNE LEARNiNG COMPETiTiON

📅 Sep 2022 - Dec 2022

- Built and evaluated tree-based machine learning models, such as the Random Forest Model and XGBoost for credit risk assessment
- Optimized model performance through hyper-parameter tuning using the sci-kit learn framework
- Reduced training time by six-fold utilizing GPU computing in Azure Cloud environment

Facial Expression Recognition Project

Individual Project

📅 Dec 2021 - Jan 2022

- Trained a model in PyTorch for facial expression classification using 48x48 grayscale images of faces with 7 target expressions (angry, disgust, fear, happy, sad, surprise, neutral)
- Implemented image augmentation, custom train and evaluation functions, wrote the training loop, and utilized the best-trained model for expression classification on input images.