JADE CHOI

✉ jwon.choi@mail.utoronto.ca   🔗 jwonc4602   ⚙ jwonc4602   🔗 jwonc4602.github.io/jwonc4602/

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

TECHNICAL SKILLS

Languages: Python, R, MATLAB, HTML/CSS, JavaScript, Kotlin, Swift
Developer Tools: VS Code, Pycharm, Google Cloud Platform, Android Studio, Xcode
Technologies/Frameworks: GitHub, MS Office, Pandas, Numpy, Matplotlib, Pytorch

EXPERIENCE

SceneScan | *Individual Project*   **July 2023**

- Played a key role in **full-stack** development by integrating open-source APIs and frameworks, such as **Core ML**, **GoogLeNetPlaces** and **SwiftUI** to optimize functionality and performance
- Contributed to the successful implementation of **iOS** application by conducting extensive testing using **XCTest** framework, ensuring a bug-free user experience

Selfie Paradox – IEEE MakeUofT 2023 | *Hackathon - Team Project*   **February 2023**

- Created an **Android** 12 camera app from scratch using **Camera2 API** with collaboration through **GIT**, learning **effective design** & **communication skills** for team software development projects
- Participated in **fullstack** development in designing UI with **XML** and developing the backend with **Kotlin** 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 in 24 hours

Facial Expression Recognition Project | *Individual Project*   **January 2022**

- Trained a model in **PyTorch** with **Jupyter Notebook** for facial expression classification using 48x48 gray-scale images of faces with 7 target expressions
- **Implemented** image augmentation, custom train, and evaluation functions using **Numpy** and **visualized** the data with **Matplotlib**
- Wrote the training loop, and utilized the best-trained model for expression classification on input images with **0.86 accuracy**

LEADERSHIP / EXTRACURRICULAR

Highschool Student Developer Club | *Vice President*   **June 2019 - June 2021**

- Played a key role in organizing and coordinating various software engineering projects and activities within the club, enhancing members' technical skills and knowledge
- Led a team of **3** to successfully develop multiple games using **Python**, **C**, and **C++**, showcasing strong programming skills and versatility across different languages