Dennis (Taeyang) Kim

647-913-0934 taeyang.kim@mail.utoronto.ca tydennis.me alvolate
Toronto Ontario

Education

University of Toronto 2021-2024
Honours Bachelor of Science, Computer Science, Co-op
Relevant Courses: Software Tools & Systems Programming, Machine Learning and Data Mining
International Student Ambassador

Skills

Languages: Python, Java, C, C++, JavaScript, Bash

Technology/Frameworks: JavaScript, HTML, CSS, React, Node.js, SQL, AWS, Git, OpenCV PyTorch, scikit-learn, Scrum, Android (Java/Kotlin), JUnit, Mockito

Experience

Korea Advanced Institute of Science and Technology Aug 2020- Nov 2020
Research Intern

- Trained a convolutional neural network, working heavily with **PyTorch** and **Anaconda**, allowing the model to classify images with an accuracy of 86.7%
- Extended the model using **OpenCV** to enable real-time face recognition for autonomous car test
- Responsible for the data plotting feature using **Python**, an important component of the project that enabled the analysis of the effect of epochs in machine learning
- Participated in weekly meetings to discuss challenges and analysis, which facilitated faster development time

Projects

Course Offering Calendar Android App August 2022

- Used **Gradle** and **Java** to create a course calendar Android app that considers prerequisites and session offerings, with **Git** for version control
- Implemented Real-time **Firebase** and **SQLite** to enable real-time updates of user-generated data for all other users of the application
- Utilized **Mockito** and **JUnit** to facilitate unit testing, which allowed for fast development of the program and improved code quality
- Conducted **Scrum** meetings as Scrum master and used **Jira** to keep track of the user stories to allow better communication and collaboration

Movie Web Service August 2021

- Employed **React** and **Axios** to build a fast, static website that could easily synchronize data with the server
- Utilized **HTML, CSS,** and **JavaScript** for the front end to display movie details obtained using YTS API