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, JavaScript, Bash

Technology/Frameworks: ReactJS, Git, OpenCV, NodeJS, MySQL, Pytorch, 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 accuracy with 86.7%
- Extended the model using **OpenCV** to enable real-time face recognition for autonomous car test
- Responsible for the data plotting feature, an important component of the project that enabled the analysis of the effect of epochs in machine learning
- Participated weekly meetings to discuss challenges and analysis, which facilitated faster development time

Projects

Course Offering Calendar August 2022

- Used **Gradle** and **Java** to create a course calendar that considers prerequisites and session offerings
- Implemented Real-time **Firebase** to enable real-time updates of user-generated data for all other users of the application
- Utilized **Mockito** 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

- Designed and built a website to fit user specifications
- Employed **React** and **Axios** to build a fast, static website that could easily synchronize data with the server
- Utilized **JavaScript** for the front-end to display movie details obtained from a .json query