Yuseung Lee

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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) Daejeon, South Korea
Bachelor of Science in Computer Science 2017 - 2022*
GPA: 3.44/4.3

RESEARCH INTERESTS

Computer Vision, 3D Machine Learning, Deep Learning, Reinforcement Learning

EXPERIENCE

Undergraduate Intern 2021.01-2021.08
CPS Lab, School of Computing, KAIST Daejeon, South Korea

- Participated in the research of *Lee et al., MobiCom '21*.
  - Planned, conducted and analyzed user studies and coverage tests.
  - Developed an Android toy app for testing coverage and UI streaming latency on custom applications.
- Participated in a project on developing an AI-based moderator for online meetings.
  - Developed a keyword extraction pipeline based on Korean *(Hangul)* NLP models.
  - Developed a customized UI for online meetings with real-time summarizer and keyword extractor, and conducted user studies.

Intern 2021.12 - 2022.02
Omnious.AI *(Startup on Visual AI Solutions)* Seoul, South Korea

- Worked as an Machine Learning engineer
  - Evaluated and compared the performance of baseline models (e.g., DenseNet, ResNet) for near-duplicate detection of images.
  - Implemented a coarse-to-fine pipeline for detecting near-duplicate images in the company's dataset.

RELATED COURSES

CS376 Machine Learning	A0
CS454 Artificial Intelligence based Software Engineering	A+
CS300 Introduction to Algorithm	B+
CS470 Introduction to Artificial Intelligence *	-
CS492 Machine Learning for 3D Data *	-

PUBLICATION & PROJECTS

FLUID-XP: Flexible User Interface Distribution for Cross-Platform Experience *(Lee et al., Mobicom '21)*
[pdf]
Participated as an *Undergraduate Intern* at CPS Lab, School of Computing, KAIST

Developing an AI-based moderator for online meetings - Providing real-time summary and keywords
Participated as an *Undergraduate Intern* at CPS Lab, School of Computing, KAIST

On Improving the Robustness of Image Classification Model Using Fuzzing-Based Data Augmentation
[report] [github]
Team Project for *AI Based Software Engineering (CS454)*, Fall 2021, KAIST

SKILLS

English: Fluent (Speaking, Writing, Reading), Experienced working with foreign colleagues during internship
Programming Language: Python, Java, C, JavaScript
Deep Learning Libraries: PyTorch, TensorFlow

* : *In progress*