

# TAEWON YOO

twyoo@khu.ac.kr ◇ twy00.github.io

## EDUCATION

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### Kyung Hee University

*Bachelor of Software Convergence, Data Science Track*

Yongin, Republic of Korea

*Mar. 2017 -*

## EXPERIENCE

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### Research Intern, University of Seoul

*Human-Centered Artificial Intelligence Lab (HCAIL)*

Seoul, Republic of Korea

*Jun. 2020 - Present*

- Developed and evaluated a mathematical model that classify deep learning lecture videos on YouTube according to its difficulties
- Supervisor: Prof. Hyunggu Jung

### Research Intern, KIST Europe Forschungsgesellschaft mbH

*Smart Convergence Group*

Saarbrücken, SL Germany

*Aug. 2019 - Jan. 2020*

- Developed and evaluated an adversarial generative models to enhance classification accuracy in data imbalance situation

## PUBLICATIONS

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### INTERNATIONAL CONFERENCE PAPERS

- [c.2] **T. Yoo**, H. Jeong, D. Lee, H. Jung. “LectYS: A System for Summarizing Lecture Videos on YouTube”. *In proceedings of the ACM Conference on Intelligent User Interfaces (IUI)*, Virtual, April 2021.
- [c.1] **T. Yoo**, H. Jung. “Category Classification of Educational Videos on YouTube through Machine Learning Approaches using Video Titles”. *In Proceedings of the US-Korea Conference on Science, Technology and Entrepreneurship (UKC)*, Chicago, IL, USA, August 2019.

### DOMESTIC CONFERENCE PAPERS

- [d.2] **T. Yoo**, H. Jung. “Category Classification of Educational Videos on YouTube through Machine Learning Approaches”. *In Proceedings of Korea Computer Congress (KCC) 2019*, Jeju, Korea, June 2019.
- [d.1] **T. Yoo**, H. Jung. “Needs Analysis Based on Vlogging Career”. *In Proceedings of the HCI Korea 2019 Conference*, Jeju, Korea, February 2019.

## EXTRACURRICULAR ACTIVITIES

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### Student Volunteer

*ACM Designing Interactive Systems (DIS)*

*June. 2021*

*ACM Conference on Intelligence User Interfaces (IUI)*

*Apr. 2021*

*IEEE Student Volunteer Program*

*Aug. 2020 - Jan. 2021*

### Teaching Assistant, Kyung Hee University

*SWCON104 Web and Python Programming*

*Spring 2019, 2020, 2021*

- Assisted on answering Python programming questions in and out of the class

### Course Assistant, Kyung Hee University

*GEE1952 Major Exploring Program*

*Fall 2018*

- Marked attendance and assignments, and managed schedule with invited speakers

### Student Mentor, Kyung Hee University

*GEE1920 Kyung Hee Freshmen Seminar*

*Spring 2018, 2019*

- Mentored 22 freshmen students, marked attendance and graded assignments

**Vice President, Kyung Hee University***Student Government Association, Department of Software Convergence**2018*

- Collaborated with college government association, and organized various campus events with 20 members

**Software Education Volunteer***Software Education Volunteering Program, Code Club Korea**Sep. 2017 - Nov. 2017**Software Education Volunteering Program, Kyung Hee University**Spring 2019*

- Instructed “Python Programming with Raspberry Pi” and “Basic Scratch Programming” classes for elementary school students and their parents.

**HONORS AND AWARDS**

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**The National Scholarship for Science and Engineering***Full tuition fee for 4 semesters, Korea Student Aid Foundation**2019***National Scholarship for Excellence in Software***12,000,000 KRW, National Program of Excellence in Software**2019***Kyung Hee Humanitas Scholarship***2,100,000 KRW, Kyung Hee University**2018, 2019***Bright Society Scholarship***4,000,000 KRW, Kyung Hee University**2018***TECHNICAL SKILLS**

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**Programming Languages**

Python3 and C++

**Software & Tools**Tensorflow, Docker, L<sup>A</sup>T<sub>E</sub>X, Google Docs, and MS Office Program**Operating System**

Linux, macOS, and Microsoft Windows

**PROFESSIONAL MEMBERSHIP**

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**Student Member**

Institute of Electrical and Electronics Engineers (IEEE)