TAEWON YOO

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EDUCATION

Kyung Hee University   **Yongin, Republic of Korea**
Bachelor of Software Convergence, Data Science   *Mar. 2017 - Present*

WORK EXPERIENCE

Software Developer, Penta Security Systems Inc.   **Seoul, Republic of Korea**
Mobile Server Development Team   *Aug. 2021 - Present*

Research Intern, University of Seoul   **Seoul, Republic of Korea**
Human-Centered Artificial Intelligence Lab (HCAIL)   *Jun. 2020 - Present*
- Developed and evaluated a mathematical model that classify deep learning lecture videos on YouTube according to its difficulty levels

Research Intern, KIST Europe Forschungsgesellschaft mbH   **Saarbrücken, Germany**
Smart Convergence Group   *Aug. 2019 - Jan. 2020*
- Developed and evaluated an adversarial generative models to enhance classification accuracy in data imbalance situation

PUBLICATIONS

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

Student Volunteer
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) Oct. 2021
ACM Designing Conference on Computers and Accessibility (ASSETS)   *Oct. 2021*
ACM Conference on Recommender Systems (RecSys)   *Sep. 2021*
ACM Designing Interactive Systems (DIS)   *Jun. 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

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

Programming Languages	Python, R, Java, Kotlin and C++
Software & Tools	Tensorflow, Docker, LaTeX, Google Docs, and MS Office Program
Operating System	Linux, macOS, and Microsoft Windows

PROFESSIONAL MEMBERSHIP

Student Member	Institute of Electrical and Electronics Engineers (IEEE)