

TAEWON YOO

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EDUCATION

Kyung Hee University

Bachelor of Software Convergence, Data Science Track

Yongin, Republic of Korea

Mar. 2017 -

WORK EXPERIENCE

Software Engineer, AUTOCRYPT

Mobile and Server Team

Seoul, Republic of Korea

Jul. 2021 - Present

- Developed backend APIs for mobility apps

Research Intern, University of Seoul

Human-Centered Artificial Intelligence Lab (HCAIL)

Seoul, Republic of Korea

Jun. 2020 - Jul. 2021

- Developed and evaluated a mathematical model that classify deep learning lecture videos on YouTube according to its difficulty levels
- 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

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 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

Python3 and C++

Software & ToolsTensorflow, Docker, L^AT_EX, Google Docs, and MS Office Program**Operating System**

Linux, macOS, and Microsoft Windows

PROFESSIONAL MEMBERSHIP

Student Member

Institute of Electrical and Electronics Engineers (IEEE)