

# Taewon Yoo

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## EDUCATION

### Kyung Hee University

*Bachelor of Software Convergence, Data Science*

Yongin, Republic of Korea

Mar. 2017 - Present

## WORK EXPERIENCE

### Research Intern, University of Seoul

*Human-Centered Artificial Intelligence Lab (HCAIL)*

Seoul, Republic of Korea

Jun. 2020 - Present

- Developed a visual analytics tool supporting ML developers consider carbon intensity in development
- Advisor: Prof. Hyunggu Jung

### Software Engineer, Penta Security Inc. (alternative military service)

*Mobile Server Development Team*

Seoul, Republic of Korea

Aug. 2021 - Jul. 2023

- Developed a real-time server to calculate taxi fares using geo-spatial data

### Research Intern, KIST Europe Forschungsgesellschaft mbH

*Smart Convergence Group*

Saarbrücken, Germany

Aug. 2019 - Jan. 2020

- Developed and evaluated a generative adversarial network to solve data-imbalance problem
- Advisor: Dr. Sungho Suh

## PUBLICATIONS

1. **T. Yoo**, H. Lee, S. Oh, H. Kwon, H. Jung. “Visualizing the Carbon Intensity of Machine Learning Inference for Image Analysis on TensorFlow Hub”. In *Companion Publication of the 2023 Conference on Computer-Supported Cooperative Work and Social Computing (CSCW’23 Companion)*. ACM, Minneapolis, MN, USA, October 2023. DOI: 10.1145/3584931.3606959
2. S. Na, S. Park, J. Jun, H. Jeong, **T. Yoo**, M. Chun, H. Lee, H. Lee, H. Jung. “SUV: Students’ Understanding Visualizer to Support Instructors in Synchronous Online Lectures”. *IEEE Access*, August 2023. DOI: 10.1109/ACCESS.2023.3303030
3. M. Chun, H. Jeong, H. Lee, **T. Yoo**, H. Jung. “Development of Korean Food Image Classification Model Using Public Food Image Dataset and Deep Learning Methods”. *IEEE Access*, December 2022. DOI: 10.1109/ACCESS.2022.3227796
4. **T. Yoo**, M. Chun, Y. Bae, S. Kwon, H. Jung. “Exploring the Community of Model Publishers on TensorFlow Hub”. In *Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing (CSCW’22 Companion)*. ACM, Virtual, October 2022. DOI: 10.1145/3500868.3559477
5. **T. Yoo**, H. Jeong, D. Lee, H. Jung. “LectYS: A System for Summarizing Lecture Videos on YouTube”. In *Proceedings of the 26th International Conference on Intelligent User Interfaces (IUI’21 Companion)*. ACM, Virtual, April 2021. DOI: 10.1145/3397482.3450722

## EXTRACURRICULAR ACTIVITIES

### Student Volunteer

*CSCW’21, ’22, ’23, RecSys’21, ’22, FAccT’22, IUI’21, ASSETS’21, DIS’21*

### Teaching Assistant

*SWCON104 Web and Python Programming, Kyung Hee University*

Spring 2019, 2020, 2021

### Course Assistant

*GEE1952 Major Exploring Program, Kyung Hee University*

Fall 2018

*GEE1920 Freshmen Seminar, Kyung Hee University*

Spring 2018, 2019

### Vice President of Student Association

*Department of Software Convergence, Kyung Hee University*

2018

## HONORS AND AWARDS

### Excellence Prize

*5,000,000 KRW, Hyundai AutoEver (Barrier Free App Development Contest)*

2022

### The National Scholarship for Science and Engineering

*Full tuition fee for 4 semesters (17,160,000 KRW), Korea Student Aid Foundation*

2019

### The National Scholarship for Excellence in Software

*12,000,000 KRW, National Program of Excellence in Software*

2019