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

Research Intern, University of Seoul   **Seoul, Republic of Korea**
Human-Centered Artificial Intelligence Lab (HCAIL)   *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)   **Seoul, Republic of Korea**
Mobile Server Development Team   *Aug. 2021 - Jul. 2023*
- Developed a real-time server to calculate taxi fares using geo-spatial data

Research Intern, KIST Europe Forschungsgesellschaft mbH   **Saarbrücken, Germany**
Smart Convergence Group   *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*