

Taewon Yoo

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WORK EXPERIENCE

Software Engineer, Penta Security Systems Inc.

Seoul, Republic of Korea

(alternative military service)

Mobile Server Development Team

Aug. 2021 - Apr. 2022

Data Analysis Team

May 2022 - Present

Research Intern, University of Seoul

Seoul, Republic of Korea

Human-Centered Artificial Intelligence Lab (HCAIL)

Jun. 2020 - Present

Research Intern, KIST Europe Forschungsgesellschaft mbH

Saarbrücken, Germany

Smart Convergence Group

Aug. 2019 - Jan. 2020

PUBLICATIONS

INTERNATIONAL JOURNAL PAPERS

- [j.1] 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*, Dec. 2022

INTERNATIONAL CONFERENCE PAPERS (EXTENDED ABSTRACT)

- [e.4] **T. Yoo**, H. Lee, S. Oh, H. Kwon, H. Jung. “Visualizing the Carbon Intensity of Machine Learning Inference for Image Analysis on TensorFlow Hub”. *To appear at the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*. ACM, Minneapolis, MN, USA, October 2023.
- [e.3] **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
- [e.2] **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)*. ACM, Virtual, April 2021. DOI:10.1145/3397482.3450722
- [e.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.

EDUCATION

Kyung Hee University

Yongin, Republic of Korea

Bachelor of Software Convergence, Data Science

Mar. 2017 - Present

EXTRACURRICULAR ACTIVITIES

Student Volunteer

<i>ACM CSCW</i>	<i>2021, 2022, 2023</i>
<i>ACM RecSys</i>	<i>2021, 2022</i>
<i>ACM FAccT</i>	<i>2022</i>
<i>ACM ASSETS</i>	<i>2021</i>
<i>ACM DIS</i>	<i>2021</i>
<i>ACM IUI</i>	<i>2021</i>
<i>IEEE Student Volunteer Program</i>	<i>Aug. 2020 - Jan. 2021</i>

Teaching Assistant

<i>SWCON104 Web and Python Programming, Kyung Hee University</i>	<i>Spring 2019, 2020, 2021</i>
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Course Assistant

<i>GEE1952 Major Exploring Program, Kyung Hee University</i>	<i>Fall 2018</i>
<i>GEE1920 Freshmen Seminar, Kyung Hee University</i>	<i>Spring 2018, 2019</i>

Vice President of Student Association

<i>Department of Software Convergence, Kyung Hee University</i>	<i>2018</i>
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Software Education Volunteer

<i>Software Education Volunteering Program, Code Club Korea</i>	<i>Sep. 2017 - Nov. 2017</i>
<i>Software Education Volunteering Program, Kyung Hee University</i>	<i>Spring 2019</i>

HONORS AND AWARDS

Excellent Prize

<i>Hyundai AutoEver (Barrier Free App Development Contest)</i>	<i>2022</i>
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The National Scholarship for Science and Engineering

<i>Full tuition fee for 4 semesters, Korea Student Aid Foundation</i>	<i>2019</i>
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The National Scholarship for Excellence in Software

<i>12,000,000 KRW, National Program of Excellence in Software</i>	<i>2019</i>
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Humanitas Scholarship

<i>2,100,000 KRW, Kyung Hee University</i>	<i>2018, 2019</i>
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Bright Society Scholarship

<i>4,000,000 KRW, Kyung Hee University</i>	<i>2018</i>
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