

YEONSUN YANG

Daegu, Republic of Korea

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Research Interests

Human-Computer Interaction (HCI), Human-AI Interaction (HAI), AI in Education (AIEd), Cognitive Learning Technologies, Gamification, Crowdsourcing, Affective Computing, Facial Emotion Recognition

Education

DGIST

Ph.D. in Electrical Engineering and Computer Science

February 2022 - Present

Advisor : Jean Y. Song

Inha University

B.S. in Computer Engineering

February 2017 - February 2022

Experience

DGIST Intelligence Augmentation Group (DIAG), DGIST

Graduate Student

February 2022 - Present

Advisor : Jean Y. Song

- Exploring human-computer interaction to address complex computational and social problems by developing intelligent systems that integrate the power of both human and machine intelligence.

Data-Intensive Computing Systems Lab (Data Lab), DGIST

Research Intern

August 2021 - January 2022

Advisor : Sungjin Lee

- Explored file system and storage architecture for solid-state drives (SSDs).

Genomics & Bioinformatics Lab (Han Lab), Seoul National University

Research Intern

Winter 2020

Advisor : Buhm Han

Mentor: Cue Hyunkyu Lee

- Performed gene expression prediction using Genotype-Tissue Expression (GTEx) data.

Data-Intensive Computing Systems Lab (Data Lab), DGIST

Research Intern

Summer 2019

Advisor : Sungjin Lee

- Built a Bloom filter that provides a space-efficient probabilistic data structure utilizing hashing techniques.

Awards & Honors

DGIST National Scholarship

Fully funded by the DGIST National Scholarship (approx. \$26900).

February 2022

Lotte Mentoring Scholarship

Corporate scholarship awarded to those who volunteer in youth mentoring programs (>50hours/year).

August 2019 - August 2021

Inha Honor Student Scholarship

Undergraduate scholarship awarded to the top 4% of students in their respective departments.

2018, Spring 2020, Spring 2021

Inha Outstanding Engineering Student Award

Undergraduate scholarship awarded to the top 4% of students of the College of Engineering.

2018

Publication

Can We Delegate Learning to Automation?: A Comparative Study of LLM Chatbots, Search Engines, and Books [Paper](#)

Yeonsun Yang, Ahyeon Shin, Mincheol Kang, Jiheon Kang, Jean Y. Song

arXiv 2024

Find the Bot!: Gamifying Facial Emotion Recognition for Both Human Training and Machine Learning Data Collection [Paper](#) [Project](#)

Yeonsun Yang, Ahyeon Shin, Nayoung Kim, Huidam Woo, John Joon Young Chung, Jean Y. Song

In Proceedings of the ACM/SIGCHI Conference on Human Factors in Computing Systems - CHI2024

Teaching & Mentoring

Undergraduate Group Research Mentoring Program

2023, 2024

Mentoring UGRP (Undergraduate Group Research Program) team at DGIST.

Dalseong Out-of-School Youth GED Mentoring Program

June 2022 - April 2024

Teaching science subjects for the high school equivalency exam to out-of-school youth in the community.

BE101a: Introduction to Programming

Fall 2022, Fall 2023

Introductory-level course required for all freshmen at DGIST. Assisted students during lab sessions.

Academic Services

Reviewer

C&C 2024

CHI 2024 Late Breaking Work (Special Recognitions for Outstanding Reviews)

CHI 2023 Late Breaking Work

Student Volunteer

SIGCHI Korea Local Chapter 2024

CHI 2024

DGIST EECS Student Conference & Happy Hour 2023

Technical Strengths

Computer Languages & Tools - C/C++, Python, Javascript, HTML, R, Django, WebSocket