

Yewon Kim

✉ yewon.e.kim@kaist.ac.kr 🏠 yewon-kim.com

RESEARCH INTERESTS

Human-Centered AI, Human-AI Interaction, Natural Language Processing

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) M.S. in Electrical Engineering Advisor: Sung-Ju Lee	<i>Mar. 2022 - Present</i> Daejeon, Korea
Korea Advanced Institute of Science and Technology (KAIST) B.S. in Electrical Engineering Major GPA of 4.02/4.3 <i>Cum Laude</i>	<i>Mar. 2017 - Feb. 2022</i> Daejeon, Korea
Stanford University Undergraduate Summer Visitor Selected Courses: CS221 Artificial Intelligence, CS229 Machine Learning GPA of 3.87/4.3	<i>Jun. 2019 - Aug. 2019</i> Stanford, CA

HONORS AND AWARDS

Students with Outstanding Questions, KAIST In recognition of the students who asked challenging and creative questions during lectures. CS592B Sensor Data Science	<i>Jul. 2022</i>
Whole Person Development Award (Alumni Association Chairperson Prize), KAIST Honor for top 5 (0.7%) out of 695 students, who demonstrated outstanding performances in various activities as well as in grades. Awarded at the commencement ceremony.	<i>Feb. 2022</i>
Engineering Innovator Award, College of Engineering, KAIST In recognition of the outstanding engineering accomplishments.	<i>Sep. 2021</i>
Grand Prix Prize in Undergraduate Research Participation (URP) Program, KAIST DAPPER: Training-Free Domain Adaptation Performance Estimation in Mobile Sensing.	<i>Aug. 2021</i>
National Science and Engineering Undergraduate Scholarship Merit-based scholarship awarded by Korea Student Aid Foundation.	<i>Fall 2020</i>
Department Honors Scholarship, KAIST Awarded to top 3 (0.4%) out of 800+ students in School of Electrical Engineering. <i>Salutatorian</i>	<i>Spring 2020</i>
Dean's List, KAIST Awarded to top 3% among 2,900+ students in College of Engineering.	<i>Spring 2020</i>
Leadership Mileage Certificate, KAIST Honor for top 3% among 3,600+ students with top achievements in leadership activities including volunteering and campus activities.	<i>2020</i>

PUBLICATIONS

Preprints

RESEARCH EXPERIENCE

KAIST Networking and Mobile Systems Lab

Graduate Student, Advised by Sung-Ju Lee.

Jul. 2020 - Present

Daejeon, Korea

- **Performance Estimation of Domain Adaptation in Mobile Sensing**

Identified and implemented baselines for the evaluation of the system. Enabled on-device inference of the system and baselines. Assisted the design of the performance estimation framework for domain adaptation in deep mobile sensing.

- **Robust Continual Test-time Adaptation**

Designed and implemented a non-iid stream of data using Dirichlet distribution on CIFAR-10-C and CIFAR-100-C. Led experiments on NLP data using variations of BERT during the rebuttal process and discussed the limitations of the proposed method on Transformer-based models. Designed figures in the paper. Assisted the ideation process in the early stage of the project.

KAIST Data Mining Lab

Undergraduate Researcher, Advised by Kijung Shin.

Sep. 2019 - Jun. 2020

Daejeon, Korea

Research on recommender systems for progressively increasing user's level of expertise.

KAIST Data Intelligence Lab

Undergraduate Researcher, Advised by Steven Euijong Hwang.

Jun. 2018 - Dec. 2018

Daejeon, Korea

Implemented labeling functions for detecting lines and curves in private metal image dataset.

TEACHING EXPERIENCE

Computer Networks (EE323)

Teaching Assistant at KAIST (Prof. Sung-Ju Lee)

Spring 2021, Spring 2022

SERVICES

Student Volunteer

TEI 2022

Local Community

- **HCI@KAIST Student Steering Committee**

Feb. 2022 - Present

- **Science Mentoring**

May 2018 - Aug. 2018

Organized science mentoring program and recruited 20 undergraduate students. Boryeong, Korea
Developed teaching materials and taught 100 students in farming and fishing villages.

- **Programming Mentoring**

Jan. 2018 - Feb. 2018

Designed and led Scratch class for 30 students in farming and fishing villages. Boryeong, Korea

INVITED TALKS

Career Development Program guest lecture, Sangsan High School [[slides](#)]

The Future of AI: How AI Will Shape the World

Jul. 2022

SELECTED PRESS

EXTRACURRICULAR ACTIVITIES

Double bass and violin player in KAIST Orchestra

Mar. 2018 - Dec. 2020

A member of executives in 2019.

KAIST Undergraduate Tennis Club

Mar. 2017 - Dec. 2018

A member of executives in 2018.

KAIST Global Student Volunteers

Sep. 2017 - Aug. 2018

Buddy program for exchange students, KAIST

Fall 2017