Yubin Choi

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RESEARCH INTERESTS

My research focuses on the intersection of Human-Computer Interaction and Natural Language Processing. I design, build, and evaluate inclusive and responsible intelligent systems that are practical for appropriate users' intent and values.

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)   *Daejeon, South Korea*

- M.S. in School of Computing   Mar 2023 – Feb 2025 (expected)
  - Advised by Prof. Meeyoung Cha and Prof. Joseph Seering
  - GPA: 4.06/4.30

Ulsan National Institute of Science and Technology (UNIST)   *Ulsan, South Korea*

- B.S. in Major in Electrical Engineering and Minor in Human Factors Engineering Mar 2018 – Feb 2022
  - *Summa Cum Laude (Top 2%)*

Korea Advanced Institute of Science and Technology (KAIST)   *Daejeon, South Korea*

- Exchange Student Program during COVID-19   Mar 2021 – Aug 2021

RESEARCH EXPERIENCE

KAIST Collaborative Science Technologies Lab   Jan 2024 – Current

- Advisor: Joseph Seering
- Graduate Research Assistant

IBS DataScience Group & KAIST Data Science Lab   Mar 2023 - Current

- Advisor: Meeyoung Cha
- Graduate Research Assistant
- The Institute for Basic Science(IBS) is a national research institute in Korea

KAIST Data Interaction Design Lab   Mar 2022 - Feb 2023

- Advisor: Hwajung Hong
- Research Intern

KAIST Interaction Lab

- Advisor: Juho Kim   Dec 2020 – Aug 2021
- Undergraduate Research Intern

PUBLICATIONS

PREPRINT

[p.1] **Privacy Disclosure to Large Language Models: A Large-Scale Study on Awareness, Benefits, and Concerns in Health Contexts Across Three Countries**
Yubin Choi, Assem Zhunis, Wenchao Dong, Sangchul Park, Joseph Seering, Meeyoung Cha, Hyojin Chin
Under Revise & Resubimt for CHI 2025

[p.2] **Leveling Up Together: Fostering Positive Growth and Safe Online Spaces for Teen Roblox Developers**
Yubin Choi, Jeanne Choi, Joseph Seering
Under Revise & Resubimt for CHI 2025

[p.3] **Multi-Label Classification of UN Sustainable Development Goals with Large Language Models**
Dongjun Lee, Sungwon Park, Kyeongjin Lee, Yubin Choi, Junho Lee, KyungYeol Park, Meeyoung Cha
Will be submitted to WebConference(WWW) 2025 Web4Good Track

CONFERENCES

[c.1] FitVid: Responsive and Flexible Video Content Adaptation
Jeongyeon Kim, <u>Yubin Choi</u>, Minsuk Kahng, Juho Kim
CHI 2022: ACM Conference on Human Factors in Computing Systems

[c.2] Mobile-Friendly Content Design for MOOCs: Challenges, Requirements, and Design Opportunities
Best Paper Award (top 3%)
Jeongyeon Kim, <u>Yubin Choi</u>, Meng Xia, Juho Kim
CHI 2022: ACM Conference on Human Factors in Computing Systems

[c.3] Exploring the use of Multimodal LLM generated labels in Economic Indicator estimation based on Satellite Imagery
Darae Lee, Minhyuk Song, <u>Yubin Choi</u>*, Meeyoung Cha
Korean Institute of Information Scientists and Engineers

[c.4] Context-Aware Offensive Language Detection in Human-Chatbot Conversations
Mingi Shin, Hyojin Chin, Hyeonho Song, <u>Yubin Choi</u>*, Junghoi Choi, Meeyoung Cha
2024 IEEE International Conference on Big Data and Smart Computing (BigComp)

[c.5] Detecting Offensive Language in an Open Chatbot Platform
Hyeonho Song, Jisu Hong, Chani Jung, Hyojin Chin, Mingi Shin, <u>Yubin Choi</u>, Junghoi Choi, Meeyoung Cha
LREC-COLING 2024: Joint International Conference on Computational Linguistics, ACL Language Resources and Evaluation (LREC-COLING 2024)

WORKSHOP & SHORT PAPER

[w.1] Together we turn uncertainty into action: Understanding the Role of Artificial Intelligence in promoting Financial security of older adults
<u>Yubin Choi</u>, Dasom Choi, Hwajung Hong
CSCW 2023 Companion: Computer Supported Cooperative Work and Social Computing

[w.2] Fine-Grained Socioeconomic Prediction from Satellite Images with Distributional Adjustment
Donghyun Ahn, Minhyuk Song, Seungeon Lee, <u>Yubin Choi</u>, Jihee Kim, Sangyoon Park, Hyunjoo Yang, Meeyoung Cha
CIKM 2023 Short Paper: ACM International Conference on Information and Knowledge Management

[w.3] ChatFive: Enhancing User Experience in Likert Scale Personality Test through Interactive Conversation with LLM Agents
Jungjae Lee*, <u>Yubin Choi</u>*, Minhyuk Song, Sanghyun Park
CUI 2024 Poster: ACM Conversational User Interfaces

AWARDS & HONORS

Korea Foundation for Advanced Studies (KFAS) Undergraduate Special Scholarship 2020 – 2022
- Major: EE, Merit-based scholarship
- First to received from undergrad university

Korea National Scholarship for Science and Engineering Mar 2020 – Feb 2022
- Merit-based scholarship, Top 3% of national Korean students

UNIST, Dean's List Mar 2018 – Feb 2022
- Top 3% in academic achievement for all 8 semesters

UNIST, Academic Performance Scholarship Mar 2018 – Feb 2022
- Tuition + stipend funding every semester

KT Undergrad Scholarship Sep 2019 – Dec 2019
- Merit-based scholarship, KT Group Hope Sharing Foundation
- Recognized for volunteer work supporting visually impaired students and assisting undergrad as a UNIST EECS Student Council Member

ACADEMIC SERVICE	**Reviewer** CHI 2025, CUI 2024 CHI LBW 2024, CSCW Workshop 2024

TEACHING

Graduate Counseling Assistant, KAIST

- Three counselors for the Computer Science Department. Mentoring undergraduate and graduate students in courses, research, and life. (Spring 2023)

Graduate Teaching Assistant, KAIST

- CS101 Introduction to Programming (Fall 2024)
- CS394 Machine Learning (Fall 2023)

Undergraduate Teaching Assistant, UNIST

- MTH301 Differential Equations (Spring 2021)
- AHS26101 Contemporary Philosophy (Spring 2019 - Spring 2020)
- ITP10701 Introduction to Artificial Intelligence (Spring 2020)
- Ulsan Welfare for the Blind taught English and math (Spring, Winter 2019)

EMPLOYMENT

KT AI2XL Research Institute, Seoul, Korea   July 2023 – Aug 2023

- Graduate Research Intern
- Advisor: Juwon Sung, Jongseo Lee
- 1) Analyzed Giga Genie (AI speaker) large-scale dataset focusing on older adults, 2) Collected Dataset, fine-tuned BERT-based model for multi-label classification of older adults conversation with AI speaker on healthcare symptoms such as sleep disorder

MEDIA COVERAGE

Korea News for C.1 paper receiving the CHI'22 Best Paper Award (click)   May 2022

KAIST Department News for the C.5 paper receiving Korea Artificial Intelligence Conference '23 Honorable Mention (click)   December 2023

SKILLS

Programming Languages	Python, TypeScript, R
Tools	PyTorch, React, Node.js, Docker, Figma
Design	Mixed Method Approach
Language	Proficient English (TOEFL 109 R28/L29/S27/W25)

REFERENCES

- **Meeyoung Cha**
  Scientific Director, Max Planck Institute for Security and Privacy (MPI-SP)
  Professor of School of Computing, KAIST
  mia.cha@mpi-sp.org

- **Joseph Seering**
  Assistant Professor of School of Computing, KAIST
  seering@kaist.ac.kr

- **Hwajung Hong**
  Associate Professor of Department of Industrial Design, KAIST
  hwajung@kaist.ac.kr

- **Juho Kim**
  Associate Professor of School of Computing, KAIST
  juhokim@kaist.ac.kr

- **Jae Joon Kim**
  Professor of Electrical and Computer Engineering, UNIST
  jaejoon@unist.ac.kr

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