

HyoJung Han

Ph.D. in Computer Science at University of Maryland, College Park (UMD)
hjhan@cs.umd.edu / [Google Scholar](#) / [Homepage](#) / [HF](#) / [Git](#)

EDUCATION

- University of Maryland, College Park (UMD)**, Maryland, United States Aug. 2021 – Early 2026
Department of Computer Science (Ph.D.)
- Advised by Prof. [Marine Carpuat](#) and Prof. [Jordan Boyd-Graber](#)
 - CLIP Lab (Computational Linguistics and Information Processing)
- KAIST** (Korea Advanced Institute of Science and Technology), Daejeon, Korea Mar. 2016 – Feb. 2018
School of Electrical Engineering (M.S.)
- Advised by Prof. Chang D. Yoo
- Korea University**, Seoul, Korea Mar. 2011 – Feb. 2016
School of Electrical Engineering (B.S.)

PROFESSIONAL EXPERIENCE

- Google**, Mountain View, CA, United States May. 2025 – Aug.2025
Research Intern
- Microsoft**, Redmond, WA, United States May. 2024 – Dec.2024
Research Intern at Microsoft Translator Team
- Multilingual Vocabulary Adaptation, Managed by [Huda Khayrallah](#)
- Meta**, Meta AI, New York City, NY, United States May. 2023 – Dec.2023
Research Scientist Intern at FAIR
- Audio-Visual Speech Translation and Recognition, Managed by [Changhan Wang](#)
- Samsung Research**, R&D hub of Samsung Electronics, Seoul, Korea Jul. 2018 – Jul. 2021
Research Engineer at Efficient Neural Machine Translation Team, Natural Language Processing Lab
- Simultaneous Speech Machine Translation Research & Development of In-house MT System

SELECTED PUBLICATION

HyoJung Han, Akiko Eriguchi, Haoran Xu, Hieu Hoang, [Marine Carpuat](#) and [Huda Khayrallah](#). [Adapters for Altering LLM Vocabularies: What Languages Benefit the Most?](#) In The Thirteenth International Conference on Learning Representations (**ICLR**), 2025. [arXiv] [code] [model]

HyoJung Han, Kevin Duh and [Marine Carpuat](#). [SpeechOE: Estimating the Quality of Direct Speech Translation](#) In Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (**EMNLP**, main), 2024, Miami, Florida, USA, Association for Computational Linguistics. [arXiv] [poster] [video] [code] [model] [dataset]

HyoJung Han, Mohamed Anwar, [Juan Pino](#), Wei-Ning Hsu, [Marine Carpuat](#), Bowen Shi and [Changhan Wang](#). [XLAVS-R: Cross-Lingual Audio-Visual Speech Representation Learning for Noise-Robust Speech Perception](#). In Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (**ACL**, main), 2024, Bangkok, Thailand, Association for Computational Linguistics. [arXiv] [poster] [video]

HyoJung Han, [Jordan Boyd-Graber](#) and [Marine Carpuat](#). [Bridging Background Knowledge Gaps in Translation with Automatic Explicitation](#). In Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (**EMNLP**, main), 2023, Singapore, Association for Computational Linguistics. [arXiv] [poster] [video] [dataset]

HyoJung Han, [Marine Carpuat](#) and [Jordan Boyd-Graber](#). [SimQA: Detecting Simultaneous MT Errors through Word-by-Word Question Answering](#). In Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (**EMNLP**, main), 2022, Abu Dhabi, United Arab Emirates, Association for Computational Linguistics. [pdf] [poster] [video] [dataset]

HyoJung Han*, Seokchan Ahn*, Yoonjung Choi, Insoo Chung, Sangha Kim and *Kyunghyun Cho*. [Monotonic Simultaneous Translation with Chunk-wise Reordering and Refinement](#). In Proceedings of the Sixth Conference on Machine Translation (WMT), 2021. Association for Computational Linguistics. [pdf] [video] (* as same contribution)

Hou Jeung Han, Mohd Abbas Zaidi, Sathish Reddy Indurthi, Nikhil Kumar Lakumarapu, Beomseok Lee and Sangha Kim. [End-to-End Simultaneous Translation System for IWSLT2020 Using Modality Agnostic Meta-Learning](#). In Proceedings of the 17th International Conference on Spoken Language Translation (IWSLT), Online, July 2020. Association for Computational Linguistics. [pdf] [video]

Top Score in low-latency regime Speech Track, for the [Simultaneous Speech Translation Challenge](#)

Sathish Indurthi, **Houjeung Han**, Nikhil Kumar Lakumarapu, Beomseok Lee, Insoo Chung, Sangha Kim and Chanwoo Kim. [End-end Speech-to-Text Translation with Modality Agnostic Meta-Learning](#). In ICASSP 2020-2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2020. [pdf] [video]

HONORS & AWARDS

Outstanding Graduate Assistant Award , University of Maryland	2022 - 2023
Dean's Fellowship , University of Maryland	2021 - 2022
Korean Government Scholarship Program for Study Overseas Tenure of two years granted by National Institute For International Education, Ministry of Education	2021 - 2022
Samsung Research Software Innovation Award , Samsung Research 'Speech Translation' project won the award in the 'Innovative Technology' June. 2021	
Samsung Best Paper Awards 2020 , Samsung Group <i>Bronze, Artificial Intelligence Section</i>	Oct. 2020
Government-Sponsored Scholarship during the entire Master program at KAIST	2016 - 2017
National Science and Engineering Scholarship, Full Tuition	2013 - 2015
Academic Excellence Scholarship, Half Tuition	Mar. 2012

ACTIVITIES

PhD & MS Graduate Admission Committee , Computer Science, UMD	Dec. 2024 - Jan. 2025
Committee and Reviewer , IWSLT 2024, ACL	Spring. 2024
Visiting Researcher with Kevin Duh , Center of Excellence, Johns Hopkins University	Sep. 2023 - May. 2024
Reviewer , NAACL 2024, ACL ARR	Dec. 2023
Mentor , Grad Peer Mentoring, Computer Science, UMD	Fall. 2023
PhD Graduate Admission Committee , Computer Science, UMD	Dec. 2022 - Jan. 2023

INVITED TALKS

Talks at IST-Unbale Seminar " Trustworthy Speech Translation - Using Tower "	Nov. 2024
Talks at KIT AI4LT Seminar " Robust & Trustworthy Speech Translation - Expanding Modalities "	Nov. 2024

POSTERS (non-conference)

Poster at MASC-SLL2024, Johns Hopkins University, Baltimore, Maryland	May. 2024
Poster at UMD CS Visit Day - CLIP Lab "Automatic Explication"	Mar. 2024
Poster at UMD CS Dept. 50th Anniversary event - Computer Science Day	Oct. 2023
Poster at MASC-SLL2023, George Mason University, Arlington campus, Virginia	Apr. 2023
Poster at UMD CS Visit Day - CLIP Lab "SimQA"	Mar. 2023
Poster at MASC-SLL2022, Temple University, Philadelphia	Apr. 2022

TEACHING EXPERIENCE

Teaching Assistant, Object-Oriented Programming I (Java) , CMSC131, UMD	Aug. 2021 – Dec. 2021
Teaching Assistant, Introduction to Machine Learning, EE488, KAIST	Sep. 2017 – Dec. 2017
Teaching Assistant, Statistical Learning Theory, EE531, KAIST	Mar. 2017 – June. 2017
Tutor, Programming Structures for Electrical Engineering (C/C++), EE291, KAIST	Mar. 2017 – June. 2017
Tutor, Programming Structures for Electrical Engineering (C/C++), EE291, KAIST	Sep. 2016 – Dec. 2016