

Seungju Han

Visiting Student Researcher @ Allen Institute for AI
Undergraduate Student @ Seoul National University
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Education

B.S. in Electrical and Computer Engineering, **Seoul National University** Mar, 2017—Aug, 2024*
GPA: 4.09/4.3 (major), 4.07/4.3 (total). * includes a 3-year mandatory military service in South Korea.

Seoul Science High School

Specialized high school for students talented in math and science. Mar, 2014—Feb, 2017

Experiences

Visiting Student Researcher, **Allen Institute for AI** Sep, 2022—Present
Advisor: Prof. Yejin Choi / Hosts: Dr. Jack Hessel, Prof. Youngjae Yu
Did research about language grounding (NormLens, CHAMPAGNE), currently researching synthetic data.

Machine Learning Engineer, **Hyperconnect**

Collaborator: Prof. Buru Chang, Dr. Dongyoung Kim, Dr. Sungjoo Ha Apr, 2019—Aug, 2022
Participated in 6 AI research projects as a first author, where all papers were published in the top-AI conferences (EMNLP Findings 21/22, NAACL 22, CVPR 21, Interspeech 20) or workshop (ACLW 22 outstanding paper).

Undergraduate Research Intern, **Computer Vision Lab, Seoul National University**

Advisor: Prof. Bohyung Han Jan, 2019—Mar, 2019
Did research about knowledge distillation.

Academic Publications

Google Scholar: https://scholar.google.com/citations?hl=en&user=g_anRqAAAAAJ#

As of Dec. 2023, first-authored papers cited more than 260 times. * indicates equal contribution.

9. [READING BOOKS IS GREAT, BUT NOT IF YOU ARE DRIVING! VISUALLY GROUNDED REASONING ABOUT DEFEASIBLE COMMONSENSE NORMS](#)
[S. Han](#), J. Kim, J. Hessel, L. Jiang, J. Chung, Y. Son, Y. Choi, Y. Yu
EMNLP 2023 ([Oral Presentation](#)), [Code](#), [Project Page](#)
8. [MULTIMODAL LAUGHTER REASONING WITH TEXTUAL AUDIO-VISUAL REPRESENTATION](#)
H. Lee, SB. Kim, [S. Han](#), Y. Yu, TH. Oh
ICCV Workshop, What is Next in Multimodal Foundation Models? 2023
7. [CHAMPAGNE: LEARNING REAL-WORLD CONVERSATION FROM LARGE-SCALE WEB VIDEOS](#)
[S. Han](#), J. Hessel, N. Dziri, Y. Choi, Y. Yu
ICCV 2023, [Code](#), [Project Page](#)
6. [MEASURING AND IMPROVING SEMANTIC DIVERSITY OF DIALOGUE GENERATION](#)
[S. Han](#), B. Kim, B. Chang
EMNLP (Findings) 2022, [Code](#)
5. [MEET YOUR FAVORITE CHARACTER: OPEN-DOMAIN CHATBOT MIMICKING FICTIONAL CHARACTERS WITH ONLY A FEW UTTERANCES](#)
[S. Han*](#), B. Kim*, JY. Yoo*, S. Seo, S. Kim, E. Erdenee, B. Chang
NAACL 2022, [Code](#)
4. [UNDERSTANDING AND IMPROVING THE EXEMPLAR-BASED GENERATION FOR OPEN-DOMAIN CONVERSATION](#)
[S. Han*](#), B. Kim*, S. Seo*, E. Erdenee*, B. Chang
ACL 4th Workshop on NLP4ConvAI ([Oral Presentation](#), [Outstanding Paper](#)) 2022, [Code](#)

3. [DISTILLING THE KNOWLEDGE OF LARGE-SCALE GENERATIVE MODELS INTO RETRIEVAL MODELS FOR EFFICIENT OPEN-DOMAIN CONVERSATION](#)
B. Kim*, S. Seo*, **S. Han***, E. Erdenee*, B. Chang
EMNLP (Findings) 2021, [Code](#)
2. [DISENTANGLING LABEL DISTRIBUTION FOR LONG-TAILED VISUAL RECOGNITION](#)
Y. Hong*, **S. Han***, K. Choi*, S. Seo, B. Kim, B. Chang
CVPR 2021, [Code](#), [Blog](#)
1. [ATTENTRON: FEW-SHOT TEXT-TO-SPEECH UTILIZING ATTENTION-BASED VARIABLE-LENGTH EMBEDDING](#)
S. Choi*, **S. Han***, D. Kim*, S. Ha
Interspeech 2020

Awards and Honors

Research Grant from Korea Foundation for Advanced Studies (KFAS)	2024—2029
Doctoral study fellowship (awarded to six people this year in Computer Science, tuition/fees not supported)	
Undergraduate Scholarship from Kwanjeong Educational Foundation	2019—2023
Full scholarship, approx. 20,000 USD in total (awarded to up to 50 people every year)	
Undergraduate Scholarship from Seoul National University	2017—2019
Full scholarship, approx. 9,000 USD in total (merit-based)	
Scholarship from Hanseong Son Jae Han Scholarship Foundation	2015—2016
Hanseong Nobel scholarship, approx. 10,000 USD in total (awarded to up to 200 people every year)	

Invited Presentations

Learning representations from large-scale videos, Tech seminar @ Dalph AI	2023 Summer
A path towards AGI, Tech seminar @ Corca AI	2023 Summer
Research in start-up, Tech seminar @ FriendliAI	2022 Fall
Research in start-up, Tech seminar @ Corca AI	2022 Summer
Open-domain conversation agent, AI retreat @ Seoul National University	2021 Spring

Professional Activities

Volunteer

EMNLP	2022
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Reviewer

EMNLP	2021
ACL ARR	2022—
NeurIPS	2023