

Seungju Han

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EDUCATION

University of Washington

Exchange Student

Seattle, Washington, U.S.
September, 2022 – December, 2022

Seoul National University (Major GPA: 4.13/4.30, Overall GPA: 4.08/4.30)

BS in Electric & Computer Engineering

Seoul, South Korea
March, 2017 – present

Seoul Science High School

Specialized high school for students talented in math and science.

Seoul, South Korea
March, 2014 – February, 2017

PUBLICATIONS

* indicates equal contribution.

CHAMPAGNE: LEARNING REAL-WORLD CONVERSATION FROM LARGE-SCALE WEB VIDEOS

S. Han, J. Hessel, N. Dziri, Y. Choi, Y. Yu

ICCV, 2023, [Code](#), [Blog](#)

MEASURING AND IMPROVING SEMANTIC DIVERSITY OF DIALOGUE GENERATION

S. Han, B. Kim, B. Chang

EMNLP (Findings), 2022, [Code](#)

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](#)

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](#)

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](#)

DISENTANGLING LABEL DISTRIBUTION FOR LONG-TAILED VISUAL RECOGNITION

Y. Hong*, **S. Han***, K. Choi*, S. Seo, B. Kim, B. Chang

CVPR, 2021, [Code](#), [Blog](#)

ATTENTRON: FEW-SHOT TEXT-TO-SPEECH UTILIZING ATTENTION-BASED VARIABLE-LENGTH EMBEDDING

S. Choi*, **S. Han***, D. Kim*, S. Ha

Interspeech, 2020

EXPERIENCES

Allen Institute for AI, Mosaic Team

Collaborating Researcher

Hosted by Youngjae Yu and Jack Hessel, advised by Prof. Yejin Choi

Seattle, WA
Sep, 2022 – Present

SNU M.IN.D Lab

Student Researcher

Advised by Prof. Taesup Moon

Seoul, South Korea
Jun, 2023 – Present

Yonsei MIR Lab

Student Researcher

Advised by Prof. Youngjae Yu

Seoul, South Korea
Mar, 2023 – Present

Hyperconnect, AI Lab
Machine Learning Engineer

Seoul, South Korea
April, 2019 – Aug, 2022

- Participated in 6 AI research projects as a first author, where all papers were published in the top-AI conferences (EMNLP 22/23, NAACL 22, CVPR 21, Interspeech 20) or workshops (ACL 22 outstanding paper).
- Led the new chatbot project, where the usage of the service is rapidly growing. Involving as an engineer developing many chatbot modules, and managing the project.
- Developed chatbot models used in Hyperconnect's global social service, Picai.
- Developed an image-based CTR prediction model used in Hyperconnect's global social service, Azar.
- Developed the few-shot text-to-speech model used in Hyperconnect's global social service, Hakuna.
- Developed the keyword spotting model to improve users' experiences from Hyperconnect's global social service, Azar.

SNU Computer Vision Lab
Undergraduate Research Intern
Advised by Prof. Bohyung Han

Seoul, South Korea
Jan, 2019 – Mar, 2019

TALKS

Learning Representations from Large-scale Videos , Tech Seminar @ Dalpha AI	2023 Summer
A Path towards AGI , Tech Seminar @ Corca AI	2023 Summer
Researches in Start-up : Tech Seminar @ FriendliAI	2022 Fall
Researches in Start-up : Tech Seminar @ Corca AI	2022 Summer
Open-domain Conversation Agent : AI Retreat @ SNU	2021 Spring

ACTIVITIES

Volunteer: EMNLP 2022

Conference reviewer: EMNLP 2021, ARR 2022-, NeurIPS 2023

AWARDS AND HONORS

Undergraduate Scholarship from Kwanjeong Educational Foundation Full-ride scholarship, 10,000,000 KRW / year * 2 years = approx. 17,000 USD	2019 – 2023
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Undergraduate Scholarship from Seoul National University Full-ride scholarship	2017 – 2019
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Scholarship from Han Sung Son Jae Han Scholarship Foundation Full-ride scholarship, 10,000,000 KRW (approx. 8,500 USD)	2015 – 2016
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SKILLS

Languages

Korean: native, English: fluent

Programming Languages

Python, C/C++, Java