

Seungju Han

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EDUCATION

University of Washington

Exchange Student

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

Seoul National University (Major GPA: 4.18/4.30, Overall GPA: 4.18/4.30)
BS in Electric & Computer Engineering

Seoul, South Korea
March, 2017 – present

Seoul Science High School (GPA: 4.28/4.30)
Specialized high school for students talented in math and science.

Seoul, South Korea
March, 2014 – February, 2017

PUBLICATIONS

* indicates equal contribution.

Measuring and Improving Semantic Diversity of Dialogue Generation [Paper](#), [Code](#)

Seungju Han, Beomsu Kim, Buru Chang
EMNLP (Findings), 2022

Meet Your Favorite Character: Open-domain Chatbot Mimicking Fictional Characters with only a Few Utterances [Paper](#), [Code](#)

Seungju Han*, Beomsu Kim*, JinYong Yoo*, Seokjun Seo, Sangbum Kim, Enkhbayar Erdenee, Buru Chang
ACL (Short), 2022

Understanding and Improving the Exemplar-based Generation for Open-domain Conversation [Paper](#), [Code](#)

Seungju Han*, Beomsu Kim*, Seokjun Seo*, Enkhbayar Erdenee*, Buru Chang
ACL 4th Workshop on NLP4ConvAI (Oral Presentation, Outstanding Paper), 2022

Distilling the Knowledge of Large-scale Generative Models into Retrieval Models for Efficient Open-domain Conversation [Paper](#), [Code](#)

Beomsu Kim*, Seokjun Seo*, Seungju Han*, Enkhbayar Erdenee*, Buru Chang
EMNLP (Findings), 2021

Disentangling Label Distribution for Long-tailed Visual Recognition [Paper](#), [Code](#)

Youngkyu Hong*, Seungju Han*, Kwanghee Choi*, Seokjun Seo, Beomsu Kim, Buru Chang
CVPR, 2021

Attentron: Few-Shot Text-to-Speech Utilizing Attention-Based Variable-Length Embedding [Paper](#)

Seungwoo Choi*, Seungju Han*, Dongyoung Kim*, Sungjoo Ha
Interspeech, 2020

EXPERIENCES

Allen Institute for AI

Collaborating Researcher

Hosted by Prof. Youngjae Yu and advised by Prof. Yejin Choi

Seattle, WA
Sep, 2022 – Present

Hyperconnect
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, NAACL, CVPR, Interspeech) or workshops (ACL).
- 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

About Researches in Start-up: Tech Seminar @ FriendliAI 2022 Fall
About Open-domain Conversation Agent: AI Retreat @ SNU 2021 Spring

ACTIVITIES

Volunteer: EMNLP 2022
Conference reviewer: EMNLP 2021, ARR 2022

AWARDS AND HONORS

Undergraduate Scholarship from **Kwanjeong Educational Foundation**
Full-ride scholarship, 10,000,000 KRW / year * 2 years = approx. 17,000 USD 2019 – Present

Undergraduate Scholarship from **Seoul National University**
Full-ride scholarship 2017 – 2019

Scholarship from **Han Sung Son Jae Han Scholarship Foundation**
Full-ride scholarship, 10,000,000 KRW (approx. 8,500 USD) 2015 – 2016

SKILLS

Languages
Korean: native, English: fluent

Programming Languages

Python, C/C++, Java