

Jaemin Cho

PREDOCTORAL YOUNG INVESTIGATOR @ AI2

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Interests

Machine Learning, Sequence Modeling, Generative Model

Multi-modal Learning, Representation Learning, Compositionality, Inductive Bias, Uncertainty Estimation

Education

Seoul National University

B.S. IN INDUSTRIAL ENGINEERING

Seoul, Korea

Mar. 2011 - Feb. 2018.

Publications

- [1] **Jaemin Cho**, Minjoon Seo, and Hannaneh Hajishirzi. Mixture Content Selection for Diverse Sequence Generation. In *EMNLP*, 2019. [Paper] [Code] [Poster] [Blog].
- [2] Yookoon Park, **Jaemin Cho**, and Gunhee Kim. A Hierarchical Latent Structure for Variational Conversation Modeling. In *NAACL (Oral)*, 2018. [Paper] [Code] [Video].

Honors

- 2018 **Kakao Travel Grant (USD \$4000)**, ICML 2018
- 2017 **Semi-finalist (Top 10)**, Amazon Alexa Prize 2017 (Chatty Chat)

Research Experience

Allen Institute for AI

PREDOCTORAL YOUNG INVESTIGATOR (ADVISORS: ANI KEMBHAVI, HANNANEH HAJISHIRZI)

- Working on Vision-Language Cross-modality Representation Learning

Seattle, Washington

Sep. 2019 - Present

SNU Music & Audio Research Group

VISITING SCHOLAR (ADVISOR: KYOGU LEE)

- Worked on 3D Pose Estimation, Music & Dance Modeling

Seoul, Korea

Jun. 2019 - Jul. 2019

NAVER Clova

AI RESIDENCY (ADVISOR: MINJOON SEO)

- Worked on Two-stage Method for Diverse Sequence Generation (EMNLP 2019) [1]

Seongnam, Korea

Jul. 2018 - Mar. 2019

SNU Vision & Learning Lab

RESEARCH INTERN (ADVISOR: GUNHEE KIM)

- Worked on Hierarchical VAE for Conversation Modeling (NAACL 2018) [2]
- Worked on Image Captioning, Image-to-Image Translation, Active Learning, Uncertainty Estimation

Seoul, Korea

Mar. 2017 - May 2018

HKUST CSE

RESEARCH INTERN (ADVISOR: SUNGHUN KIM)

- Worked on AST-based Python-Pseudocode Translation

Hong Kong

Jan. 2017 - Feb. 2017

Polytechnique Montréal

RESEARCH INTERN (ADVISOR: NADIA LAHRICHI)

- Worked on Patient Classification & Nursing Scheduling based on Mixed-Integer Programming

Montreal, Canada

Jan. 2015 - Jun. 2015

Industry Experience

DataNada

NLP RESEARCHER (ADVISOR: JOHN PARK)

- Worked on Dialog Management & Dependency Parsing for Chatbot

Seoul, Korea

Aug. 2016 - Dec. 2016

Teaching Experience

Teaching Assistant

MACHINE LEARNING (GRADUATE COURSE)

- Instructor: Prof. Hyun Oh Song

Seoul National University

Sep. 2017 - Dec. 2017

Instructor

DEEP LEARNING / NLP / CHATBOT DEVELOPMENT

- 4-week tutorial on chatbot development for 80+ developers [Course materials]

FastCampus, Seoul

June 2017 - Sep. 2017

Projects

Grace

FAST AND SCALABLE KOREAN NER ENGINE

2017

- Outperformed all baselines of 2017 Korean Language expos NER Competition
- Deployed as part of Kakao's NLU Engine

dparser

FIRST KOREAN DEPENDENCY PARSER OPEN API

2016

- Converted Sejong Corpus (The largest Korean constituency corpus) into CoNLL-U format

Awesome-Korean-NLP

CURATED LIST OF KOREAN NLP RESOURCES

Talks

2018 **Kakao**, Generative Models & Variational Inference

2017 **TensorFlow KR**, Developing Korean Chatbot 101

Extracurricular Activities

PyTorch KR

Seoul, Korea

ADMINISTRATOR

Mar. 2017 - Present

- One of the Biggest ML communities in Korea (8000+ members as of December 10, 2019)
- Organized events including: [PyTorch KR Meetup 2017], [Paper Day 2018], [Tutorial Competition 2018]

US Army

Camp Stanley, Korea

SERGEANT (E-5)

May. 2012 - Feb. 2014

- Served 2 years as KATUSA (Korean Augmentation to the US Army)
- Ground Ambulance & Operational Planning

StreetDancer

Seoul, Korea

POPPING

2005 - Present

- Performing in various domestic / international events
- Developing software for dance production

References

Ani Kembhavi

AI2 / UW

RESEARCH SCIENTIST / AFFILIATE PROFESSOR

anik@allenai.org

Minjoon Seo

UW / NAVER

PH.D. CANDIDATE / RESEARCH SCIENTIST

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Hannaneh Hajishirzi

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