

Seanie Lee

NATURAL LANGUAGE PROCESSING · BAYESIAN DEEP LEARNING ·

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Education

KAIST (Korea Advanced Institute of Science and Technology)

M.S. IN ARTIFICIAL INTELLIGENCE

- Supervised by [Sung Ju Hwang](#) and [Juho Lee](#)

Daejeon, S.Korea

Mar. 2020 - Present

Yonsei University

B.A. IN LIBRARY AND INFORMATION SCIENCE

- GPA: 4.18/4.30

Seoul, S.Korea

Mar. 2011 - Feb. 2018

Publication

CONFERENCES

Learning to Perturb Word Embeddings for Out-of-distribution QA

SEANIE LEE*, MINKI KANG*, JUHO LEE, SUNG JU HWANG.

- [\[paper\]](#)
- *: equal contribution

ACL

2021

Contrastive Learning with Adversarial Perturbations for Conditional Text Generation

SEANIE LEE*, DONG BOK LEE*, SUNG JU HWANG.

- [\[paper\]](#)
- *: equal contribution

ICLR

2021

Meta-GMVAE: Mixture of Gaussian VAE for Unsupervised Meta-Learning

DONG BOK LEE, DONGCHAN MIN, SEANIE LEE, SUNG JU HWANG.

- [\[paper\]](#)

ICLR

2021

Generating Diverse and Consistent QA pairs from Contexts with Information-Maximizing Hierarchical Conditional VAEs

DONG BOK LEE*, SEANIE LEE*, WOOTAE JEONG, DONGHWAN KIM, SUNG JU HWANG

- [\[paper\]](#) [\[code\]](#) [\[video\]](#)
- *: equal contribution

2020

g2pM: A Neural Grapheme-to-Phoneme Conversion Package for Mandarin Chinese Based on a New Open Benchmark Dataset

KYUBYONG PARK*, SEANIE LEE*

- [\[paper\]](#) [\[code\]](#)
- *: equal contribution

INTER_SPEECH

2020

WORKSHOP

Domain-agnostic question-answering with adversarial training

SEANIE LEE*, DONGGYU KIM*, JANGWON PARK*.

- [\[paper\]](#) [\[code\]](#)
- *: equal contribution

EMNLP-IJCNLP MRQA Workshop

2019

JOURNAL

Incorporating product description to sentiment topic models for improved aspect-based sentiment analysis

REINALD KIM AMPLAYO, SEANIE LEE, MIN SONG

Information Science

2018

Experience

Korea Advanced Institute of Science and Technology

GRADUATE RESEARCH ASSISTANT

- Research Assistant at [MLAI](#) group, supervised by [Sung Ju Hwang](#).

Daejeon, S.Korea

March 2020 - Present

Korea Advanced Institute of Science and Technology

TEACHING ASSISTANT

- Deep Reinforcement Learning, AI611
- Mathematics for AI, AI503
- Deep Learning, AI502

Daejeon, S.Korea

Mar. 2020 - present

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INTERNSHIP

- Research on Question Answering, Semi-supervised Learning, Domain Generalization

Seoul, S.Korea

Feb. 2019 - Jan. 2020

Awards

2019 **Silver Medal**, Named Entity Recognition in [NAVER NLP Challenge](#)

Seoul, Korea

2019 **Bronze Medal**, Semantic Role Labeling in [NAVER NLP Challenge](#)

Seoul, Korea

Presentation

Tech. talk, NAVER corp.

Online, South Korea

PRESENTATION OF INFO-HCVAE

04.Dec. 2020

- Generating Diverse and Consistent QA pairs from Contexts with Information-Maximizing Hierarchical Conditional VAEs
- ACL 2020 Long paper

Academic Services

2021 **Reviewer**, ICML