

# Seanie Lee

NATURAL LANGUAGE PROCESSING · BAYESIAN DEEP LEARNING ·

291 Daehak-ro, Yuseong-gu, Daejeon, Korea 34141

✉ [lsnfamil02@gmail.com](mailto:lsnfamil02@gmail.com) | 🏠 [seanie12.github.io](https://seanie12.github.io) | 💻 [seanie12](#) | 🎓 Seanie Lee

## Education

### KAIST (Korea Advanced Institute of Science and Technology)

PH.D IN ARTIFICIAL INTELLIGENCE

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

Daejeon, S.Korea

Mar. 2022 (Expected) -

### 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 - Feb. 2022 (Expected)

### 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.

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

ICLR

2021

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

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

- [\[paper\]](#)[\[code\]](#)

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

ACL

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

INTERSPEECH

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*

## 42 Maru

INTERNSHIP

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

*Seoul, S.Korea*

*Feb. 2019 - Jan. 2020*

## Awards

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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

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### 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

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2021 **Reviewer**, ICML