Seanie **Lee**

NATURAL LANGUAGE PROCESSING · BAYESIAN DEEP LEARNING ·

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Education

KAIST (Korea Advanced Institute of Science and Technology)   *Daejeon, S.Korea*
PH.D IN ARTIFICIAL INTELLIGENCE   *Mar. 2022 (Expected) -*

- Supervised by Sung Ju Hwang and Juho Lee

KAIST (Korea Advanced Institute of Science and Technology)   *Daejeon, S.Korea*
M.S. IN ARTIFICIAL INTELLIGENCE   *Mar. 2020 - Feb. 2022 (Expected)*

- Supervised by Sung Ju Hwang and Juho Lee
- Research interest: Natural Language Processing, Meta Learning, Bayesian Deep Learning.

Yonsei University   *Seoul, S.Korea*
B.A. IN LIBRARY AND INFORMATION SCIENCE   *Mar. 2011 - Feb. 2018*

- GPA: 4.18/4.30

Publication

CONFERENCES

Sequential Reptile: Inter-Task Gradient Alignment for Multilingual Learning   *ICLR*
SEANIE LEE*, HAE BEOM LEE*, JUHO LEE, SUNG JU HWANG.   *2022*

- [paper]
- *: equal contribution

Learning to Perturb Word Embeddings for Out-of-distribution QA   *ACL*
SEANIE LEE*, MINKI KANG*, JUHO LEE, SUNG JU HWANG.   *2021*

- [paper][code]
- *: equal contribution

Contrastive Learning with Adversarial Perturbations for Conditional Text Generation *ICLR*
SEANIE LEE*, DONG BOK LEE*, SUNG JU HWANG.   *2021*

- [paper][code]
- *: equal contribution

Meta-GMVAE: Mixture of Gaussian VAE for Unsupervised Meta-Learning   *ICLR*
DONG BOK LEE, DONGCHAN MIN, SEANIE LEE, SUNG JU HWANG.   *2021*

- [paper][code]

Generating Diverse and Consistent QA pairs from Contexts with Information-Maximizing Hierarchical Conditional VAEs   *ACL*
DONG BOK LEE*, SEANIE LEE*, WOOTAE JEONG, DONGHWAN KIM, SUNG JU HWANG   *2020*

- [paper] [code][video]
- *: equal contribution

g2pM: A Neural Grapheme-to-Phoneme Conversion Package for Mandarin Chinese Based on a New Open Benchmark Dataset   *INTERSPEECH*
KYUBYONG PARK*, SEANIE LEE*   *2020*

- [paper][code]
- *: equal contribution

WORKSHOP

Domain-agnostic question-answering with adversarial training   *EMNLP-IJCNLP MRQA Workshop*
SEANIE LEE*, DONGGYU KIM*, JANGWON PARK*.   *2019*

- [paper][code]
- *: equal contribution

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

Daejeon, S.Korea

GRADUATE RESEARCH ASSISTANT

March 2020 - Present

- Research Assistant at MLAI group, supervised by Sung Ju Hwang.

Korea Advanced Institute of Science and Technology

Daejeon, S.Korea

TEACHING ASSISTANT

Mar. 2020 - present

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

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Seoul, S.Korea

INTERNSHIP

Feb. 2019 - Jan. 2020

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

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	