

Seanie Lee

REGULARIZATION · DATA AUGMENTATION

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Education

KAIST (Korea Advanced Institute of Science and Technology)

Daejeon, S.Korea

PH.D IN ARTIFICIAL INTELLIGENCE

Mar. 2022 -

- Supervised by [Sung Ju Hwang](#) and [Juho Lee](#)
- Research interest: Regularization for Deep Neural Networks.

KAIST (Korea Advanced Institute of Science and Technology)

Daejeon, S.Korea

M.S. IN ARTIFICIAL INTELLIGENCE

Mar. 2020 - Feb. 2022

- Supervised by [Sung Ju Hwang](#) and [Juho Lee](#)
- Master Thesis: [Data augmentation for natural language processing](#)

Yonsei University

Seoul, S.Korea

B.A. IN LIBRARY AND INFORMATION SCIENCE

Mar. 2011 - Feb. 2018

Publication

CONFERENCES

Set Based Stochastic Subsampling

ICML

BRUNO ANDREIS, **SEANIE LEE**, A. TUAN NGUYEN, JUHO LEE, EUNHO YANG, SUNG JU HWANG.

2022

- [\[paper\]](#)

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

Experience

Singapore National University

INTERNSHIP

- Remote internship at [Deep Learning in Theory and Practice](#) lab, supervised by [Kenji Kawaguchi](#).

Singapore

July 2022 - 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 - Dec. 2021

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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.

PRESENTATION OF INFO-HCVAE

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

Online, South Korea

04.Dec. 2020