Seungtaek Choi

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RESEARCH INTERESTS	▪ NLP for Conversational AI ▪ Attention Supervision for Explainable AI ▪ Transfer Learning for Low Resource Tasks

RESEARCH EXPERIENCE

Data Intelligence Laboratory, Yonsei University, Korea　　　　Mar 2017 – Present
Research Assistant
- Supervisor: Prof. Seung-won Hwang
- Project 1: Video Question and Highlighting (supported by Samsung Research)
- Project 2: Explainable Human-level Deep Machine Learning Inference Framework

SK Telecom, Seoul, Korea　　　　Aug 2019 – Present
AI Research Intern, T-Brain, AI Center
- Supervisor: Dr. Tae-Yoon Kim
- Project: Consistently Personalized Dialogue Generation

EDUCATION

Yonsei University, Seoul, Korea　　　　Mar 2017 – Present
Ph.D. Candidate in Computer Science and Engineering

Yonsei University, Seoul, Korea　　　　Mar 2012 – Feb 2017
B.S. in Computer Science and Engineering

PUBLICATIONS

[1] **Counterfactual Attention Supervision**
Seungtaek Choi, Haeju Park, Seung-won Hwang
ICDM - *International Conference on Data Mining*, 2019

[2] **MICRON: Multigranular Interaction for Contextualizing RepresentatiON in Non-factoid Question Answering**
{Hojae Han, **Seungtaek Choi**}*, Haeju Park, Seung-won Hwang (* equal contribution)
EMNLP - *Empirical Methods in Natural Language Processing*, 2019

[3] **Visual Choice of Plausible Alternatives: An Evaluation of Image-based Commonsense Causal Reasoning**
Jinyoung Yeo, {Gyungbok Lee, Gengyu Wang}*, **Seungtaek Choi**, Hyunsouk Cho, Reinald Kim Amplayo, Seung-won Hwang (* equal contribution)
LREC - *International Conference on Language Resources and Evaluation*, 2018

[4] **Machine-translated Knowledge Transfer for Commonsense Causal Reasoning**
Jinyoung Yeo, Gengyu Wang, Hyunsouk Cho, **Seungtaek Choi**, Seung-won Hwang
AAAI - *AAAI Conference on Artificial Intelligence*, 2018

AWARDS & SCHOLARSHIPS

▪ Google Travel Grant - ICDM 2019
for Students in South Korea by Google

▪ 3rd Place of BIG 2017 CUP Challenge
at BIG 2017 conference co-located with WWW 2017 (International Competition)

▪ Top Winner of BIG 2016 CUP Challenge
at BIG 2016 conference co-located with WWW 2016 (International Competition)

▪ Computer Science Department Scholarship
at Yonsei University 2017-2018

TEACHING EXPERIENCE

Artificial Intelligence @ Yonsei, 2017 Spring
▪ Teaching assistant

SKILLS   Programming Languages: Python, C++, SQL
Libraries: PyTorch, Keras, Tensorflow, NLTK