

Seungwon Kim

<https://seungwon1.github.io/>

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EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Masters in Computer Science; GPA: 4.0 / 4.0 Jan. 2019 – Dec. 2020
- **Kyungpook National University** Deagu, South Korea
Bachelor of Science in Electronic Engineering; GPA: 3.3 / 4.0 Mar. 2009 – Feb. 2016

PUBLICATION

- **Revisiting Pretraining with Adapters**
Seungwon Kim, Alex Shum, Nathan Susanj, Jonathan Hilgart.
Accepted at ACL 2021 Representation Learning for NLP Workshop. **Best Paper Award**
- **Using Pre-Trained Transformer for Better Lay Summarization**
Seungwon Kim
Accepted at EMNLP 2020 Scholarly Document Processing Workshop

WORK EXPERIENCE

- **Incheon International Airport Corporation** Incheon, South Korea
Electrical Engineer Dec 2015 - Present
 - **Airport Systems:** Engineering for A-SMGCS and SCADA systems including designing SCADA HMI, Unix/Linux scripting and programming for configuration of A-SMGCS system.
 - **Lay Summarization:** Implemented summarization models for scholarly documents.
 - **Short Term Load Forecast:** Implemented moving average model in combination with linear regression to forecast daily peak load and developed strategy to reduce airport costs through peak load forecast.

PROJECTS

- **Compare Job Application** Oct - Nov 2020
Software Development Process, Georgia Institute of Technology
 - Developed Android application for comparing the current job and various job offers.
- **Computational Linguistics Lay Summary Challenge 2020** May - Aug 2020
<https://competitions.codalab.org/competitions/25516>
 - Developed lay summarization model for scientific papers and wrote system report (2nd rank out of 8).
- **Neurips 2019 Reproducibility Challenge** Nov - Dec 2019
<https://github.com/seungwon1/BEAR-QL> Report: <https://openreview.net/forum?id=S1lXO6cf6S>
 - Implemented Off-policy Q-Learning via Bootstrapping Error Reduction (Kumar et, al. 2019) and reproduced the experiments in Kumar et, al. 2019.
- **Striving for Simplicity in Off-policy Deep Reinforcement Learning** Nov - Dec 2019
https://github.com/seungwon1/batch_rl
 - Implemented Striving for Simplicity in Off-policy Deep Reinforcement Learning (Agarwal et, al. 2019).
 - Implemented Distributional Reinforcement Learning with Quantile Regression (Dabney et, al. 2017).
 - Implemented A Distributional Perspective on Reinforcement Learning (Bellemare et, al. 2017).
 - Implemented Human-Level Control through Deep Reinforcement Learning (Mnih et, al. 2015).

PROGRAMMING SKILLS

Languages: Python, C/C++, Java, BASH

Frameworks: Tensorflow, Pytorch