Seungwon Kim
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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 and SCADA.
  - **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