

Younghun Song

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Education

KAIST(Korea Advanced Institute of Technology), 2017-present

- M.S. Student, Graduate School of Knowledge Service Engineering(Dept. of Industrial & Systems Engineering)
- [Data Mining Lab](#) (supervisor: [Prof. J.G.Lee](#))
- *Research Interests: Recommender Systems, Deep Learning, Natural Language Processing*

Sungkyunkwan University 2011-2017 (*includes 2 years of military service)

- B.S., Statistics & Economics (Double Major)

Papers

- [Augmenting Recurrent Neural Networks with High-Order User-Contextual Preference for Session-Based Recommendation\(arXiv preprint 2018\)](#)

Research Projects

Personalized Recommendation for Smart TVs, Samsung Electronics, 2017-present

- Designed and developed the ML framework for the client's recommender system.
- [Tensorflow]Integrated NLP algorithms(e.g. word2vec) into the client's system

News Headline Generation via Neural Hierarchical Abstractive Summarization, Class Project, 2017

- [PyTorch]Implemented a 2-step Neural Summarization model that integrates 1) CNN sentence encoder 2) RNN Document Encoder 3) Attentive RNN Encoder-Decoder

Driver Doziness Detection using SVM, Independent Team Project, 2016

- [scikit-learn]Implemented a SVM classifier that uses EEG signals from sensors to detect driver dozi-ness

Implementations

- [\[PyTorch\]Session-based Recommendations with Recurrent Neural Networks\(ICLR 2016, Hidasi et al.\)](#)

Work Experiences

- **Research Assistant** Data Mining Lab, Graduate School of Knowledge Service Engineering, 2017-present

Technical Skills

- ML FRAMEWORKS: **PyTorch**, Tensorflow, scikit-learn
- PROGRAMMING LANGUAGES: **Python**, Java, SQL
- DISTRIBUTED COMPUTING: Spark, Azure, Linux(Ubuntu)