Younghun Song

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Education

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

- M.S. Student, Graduate School of Knowledge Service Engineering
- Data Mining Lab(Supervisor: Prof. J.G.Lee)
- *Research Interests: Deep Learning, Recommender Systems, 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

- Surveyed and developed theoretical framework for applying ML algorithms to the client's recommender system.
- Integrated ML algorithms for NLP(e.g. word2vec) into the system using Tensorflow

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

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

Driver Doziness Detection using SVM, Independent Team Project, 2016

- Implemented a SVM classifier that uses EEG signals from sensors to detect driver doziness using scikit-learn

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, R, SQL
- DISTRIBUTED COMPUTING: Spark, Azure, Linux