

Hyunsik Jeon

Data Mining Laboratory ◇ Seoul National University
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EDUCATION

Ph.D Student

Mar. 2019 - Present

Department of Computer Science and Engineering
Seoul National University
Advisor: Professor U Kang

Master of Science

Feb. 2019

Department of Computer Science and Engineering
Seoul National University
Advisor: Professor U Kang

Bachelor of Science

Feb. 2017

Department of Computer Science and Engineering
Hanyang University

RESEARCH INTERESTS

Recommender Systems: large-scale recommender systems, sequential recommendation, news recommendation, bundle recommendation

Transfer Learning: multi-source domain adaptation

AWARDS AND HONORS

MIND News Competition Award

Sep. 2020

- Second Prize Award (215 teams participated)

Best Student Paper Award

May. 2020

- Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD), 2020, Singapore

HumanTech Paper Award

Feb. 2020

- Honorable Metion - 4th in CSE
- Samsung Electronics

BigData Student Travel Grants

Dec. 2019

- IEEE International Conference on Big Data (BigData), 2019, Los Angeles, USA

WORK AND RESEARCH EXPERIENCES

Research Intern

July 2020 - Aug. 2020

- Hyperconnect, Seoul, Republic of Korea

PUBLICATIONS

Conferences

[C05] *Accurate Action Recommendation for Smart Home via Two-Level Encoders and Commonsense Knowledge*

Hyunsik Jeon, Jongjin Kim, Hoyoung Yoon, Jaeri Lee, and U Kang

International Conference on Information and Knowledge Management (CIKM), 2022, Atlanta, Georgia, USA

[C04] *Accurate Node Feature Estimation with Structured Variational Graph Autoencoder*
Jaemin Yoo, Hyunsik Jeon, Jinhong Jung, and U Kang
Special Interest Group on Knowledge Discovery and Data Mining (KDD), 2022, Washington DC, USA

[C03] *Accurate News Recommendation Coalescing Personal and Global Temporal Preferences*
Bonhun Koo, Hyunsik Jeon, and U Kang
Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD), 2020, Singapore

[C02] *Data Context Adaptation for Accurate Recommendation with Additional Information*
Hyunsik Jeon, Bonhun Koo, and U Kang
IEEE International Conference on Big Data (BigData), 2019, Los Angeles, USA

[C01] *Belief Propagation Network for Hard Inductive Semi-supervised Learning*
Jaemin Yoo, Hyunsik Jeon, and U Kang
International Joint Conference on Artificial Intelligence (IJCAI), 2019, Macao, China

Journals

[J03] *PGT: News Recommendation Coalescing Personal and Global Temporal Preferences*
Bonhun Koo, Hyunsik Jeon, and U Kang
Knowledge and Information Systems (KAIS), 2021

[J02] *Multi-EPL: Accurate multi-source domain adaptation*
Seongmin Lee, Hyunsik Jeon, and U Kang
PLOS ONE, 2021

[J01] *Unsupervised Multi-Source Domain Adaptation with No Observable Source Data*
Hyunsik Jeon, Seongmin Lee, and U Kang
PLOS ONE, 2021

PROFESSIONAL SERVICES

Program Committee

IEEE International Conference on Big Data and Smart Computing (BigComp) 2021 - 2022

External Reviewer

IEEE International Conference on Big Data and Smart Computing (BigComp) 2020

ACM International Conference on Information Management (CIKM) 2018 - 2019

IEEE International Conference on Data Mining (ICDM) 2019

International Conference on Learning Representations (ICLR) 2021

ACM SIGKDD Conference of Knowledge Discovery and Data Mining (KDD) 2019 - 2022

Neural Information Processing Systems (NeurIPS) 2021 - 2022

The Web Conference (formerly known as WWW) 2019 - 2021

ACM International Conference on Web Search and Data Mining (WSDM) 2019

TALKS

Invited Conference Speaker

Data Context Adaptation for Accurate Recommendation with Additional Information, KSC 2019, Dec. 19, 2019

TEACHING EXPERIENCES

T.A. - Topics in Artificial Intelligence (Optimization for Machine Learning)

Spring 2018

· Seoul National University, Seoul, Republic of Korea

T.A. - Data Structures

Fall 2017

· Seoul National University, Seoul, Republic of Korea

GRADUATE COURSEWORK

Self-learning Neural Algorithms

Fall 2019

Advanced Data Mining

Fall 2019

Big Data Analysis (Reinforcement Learning)

Spring 2019

Genetic Algorithm

Spring 2019

Data Compression

Spring 2018

Introduction to Computer Vision

Spring 2018

Information Visualization and Visual Analytics

Fall 2017

Large Data Analysis

Fall 2017

Data Analysis Using Deep Learning

Spring 2017

REFERENCES

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