JUN-GI JANG

CONTACT

Data Mining Laboratory
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EDUCATION

M.S/Ph.D Student — MAR. 2017 - PRESENT
Computer Science and Engineering
Seoul National University
Advisor: U Kang

Bachelor of Science — MAR. 2010 - FEB. 2017
Mechanical and Aerospace Engineering,
Computer Science and Engineering (double major)
Seoul National University

RESEARCH INTERESTS

Efficient Tensor Analysis, Time Series Data Analysis

PUBLICATIONS

Conferences

1. **Jun-Gi Jang** and U Kang, D-Tucker: Fast and Memory-Efficient Tucker Decomposition for Dense Tensors, 36th IEEE International Conference on Data Engineering (ICDE) 2020, to appear, Dallas, Texas, USA.
2. **Jun-Gi Jang**, Donjin Choi, Jinhong Jung, and U Kang, Zoom-SVD: Fast and Memory Efficient Method for Extracting Key Patterns in an Arbitrary Time Range, ACM International Conference on Information and Knowledge Management (CIKM) 2018, Lingotto, Turin, Italy.
    - Honorable Mention (4th in CS) from Samsung Humantech Paper Award

Journals

1. Sejoon Oh, Namyong Park, **Jun-Gi Jang**, Lee Sael, and U Kang, High-Performance Tucker Factorization on Heterogeneous Platforms, IEEE Transactions on Parallel and Distributed Systems, Apr. 1, 2019
2. Dongjin Choi, **Jun-Gi Jang**, and U Kang, S3CMTF: Fast, accurate, and scalable method for incomplete coupled matrix-tensor factorization, PLOS ONE, June 28, 2019.

PATENTS

Domestic Patents

1. **Jun-Gi Jang**, Dongjin Choi, and U Kang, Apparatus and Method For Processing Data (filed on Jan. 2018).
2. Donjing Choi, **Jun-Gi Jang**, and U Kang, Data Analysis Method and Apparatus for Sparse Data (filed on Nov. 2017).

AWARDS & HONORS

Humantech Paper Award (Honorable Mention, lead-author), Samsung — FEB 2018

TALKS

Talks

1. Zoom-SVD: Fast and Memory Efficient Method for Extracting Key Patterns in an Arbitrary Time Range, NC, Jan. 2019

Professional Services

Conference Reviews

- International Conference on Information and Knowledge Management (CIKM), 2019
- International Conference on Knowledge Discovery and Data Mining (KDD), 2019
- International World Wide Web Conference (WWW), 2019.
- International Conference on Web Search and Data Mining (WSDM), 2019
- International Conference on Data Mining (ICDM), 2018
- International Conference on Information and Knowledge Management (CIKM), 2018
- International Conference on Web Search and Data Mining (WSDM), 2018

Teaching Experience

T.A., M2177.004900 Theory and Lab of IoT, AI, and Big Data @ SNU	Spring 2020
T.A., M2177.004900 Theory and Lab of IoT, AI, and Big Data @ SNU	Fall 2019
T.A., M2177.004900 Theory and Lab of IoT, AI, and Big Data @ SNU	Spring 2019
T.A., M1522.001400 Introduction to Data Mining @ SNU	Spring 2018
T.A., M1522.000900 Data Structure @ SNU	Fall 2017

Graduate Coursework

M2177.003000 Advanced Data Mining @ SNU	Fall 2019
4190.676 Artificial Neural Networks @ SNU	Fall 2019
3394.506 Advanced Numerical Linear Algebra @ SNU	Spring 2019
M1522.002500 Quantum Computing and Information Fundamentals @ SNU	Spring 2019
430.502 Industrial Applications of Electrical and Electronic Technologies @ SNU	Fall 2018
430.709A Convex Optimization @ SNU	Fall 2018
4190.771 Topics in Algorithms (ML algorithms in bioinformatics) @ SNU	Fall 2018
430.707A Pattern Recognition @ SNU	Spring 2018
4190.771 Topics in Algorithms (Compression) @ SNU	Spring 2018
M1522.001600 Topics in Big data Analytics @ SNU	Fall 2017
M1522.000500 Information Visualization and Visual Analytics @ SNU	Fall 2017
430.707A Advance Databases @ SNU	Spring 2017
M1522.001600 Topics in Big data Analytics @ SNU	Spring 2017

References

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