Sejoon Oh

Computational Science and Engineering Department Georgia Institute of Technology S1312, 756 W Peachtree St NW, Atlanta, GA 30308

Email: soh337@gatech.edu • Phone: 1-404-889-1929 • Homepage: https://sejoonoh.github.io/

RESEARCH INTERESTS

Adversarial Machine Learning, Recommender System, Deep Learning, Data Science

EDUCATION

Georgia Institute of Technology, Atlanta, GA

• Second-year Ph.D. Student in Computer Science

Aug. 2019 – Present

• Advisor: Prof. Srijan Kumar

Carnegie Mellon University, Pittsburgh, PA

• First-year Ph.D. Student in CPCB program

Aug. 2018 – May 2019

Seoul National University, Seoul, Korea

■ Bachelor of Science (B.S.) in Computer Science and Engineering

Mar. 2012 - Aug. 2018

Overall GPA: 3.68 / 4.0, Major GPA: 3.67 / 4.0

■ Advisor: Prof. U Kang

PUBLICATIONS

JOURNAL PAPERS

- [J4] Kijung Shin, Sejoon Oh, Jisu Kim, Bryan Hooi, and Christos Faloutsos, "Fast, Accurate and Provable Triangle Counting in Fully Dynamic Graph Streams", ACM Transactions on Knowledge Discovery from Data (TKDD), 2020.
- [J3] **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 (TPDS)**, 2019.
- [J2] Namyong Park, **Sejoon Oh**, and U Kang, "Fast and Scalable Method for Distributed Boolean Tensor Factorization", **VLDB Journal**, 2019.
- [J1] Sejoon Oh*, Jungwoo Lee*, and Lee Sael, "GIFT: Guided and Interpretable Factorization for Tensors with an Application to Large-Scale Multi-platform Cancer Analysis", Bioinformatics, 2018 (* these authors contributed equally to this work).

CONFERENCE PAPERS

- [C4] <u>Sejoon Oh</u>, and Srijan Kumar, "Interaction-Level Poisoning Attack on Deep Sequential Recommender Systems", *under review*, 2021.
- [C3] **Sejoon Oh**, Sungchul Kim, Ryan Rossi, and Srijan Kumar, "Influence-guided Data Augmentation for Neural Tensor Completion", *under review*, 2021.
- [C2] **Sejoon Oh**, Namyong Park, Lee Sael, and U Kang, "Scalable Tucker Factorization for Sparse Tensors Algorithms and Discoveries", *IEEE International Conference on Data Engineering* (*ICDE 2018*), Paris, France, 2018.
 - •Gold Prize Winner (1st in CS) from Samsung Humantech Paper Award
 - •Best Undergraduate Thesis Award from Seoul National University
- [C1] Namyong Park, Sejoon Oh and U Kang, "Fast and Scalable Distributed Boolean Tensor Factorization", IEEE International Conference on Data Engineering (ICDE 2017), San Diego, California, USA, 2017.

AWARDS & SCHOLARSHIPS

■ 2021 Machine Learning at Georgia Tech (ML@GT) Fellow

May 2021

Supports 50% of the RA salary; acceptance Ratio: 24% (6/25).

■ **Twitch Research Fellowship** Finalist Award - \$5*K* USD

Jan. 2021

Student Registration Award for KDD 2020

Funded by both NSF and SIGKDD to attend 2020 ACM SIGKDD conference

Aug. 2020

Aug. 2019 - Present

Kwanjeong Educational Foundation Fellowship

One of the most prestigious fellowships in Korea, which supports up to \$20K USD per year

Best Thesis Award (among all CSE undergraduate students)

Aug. 2018

Awarded by Seoul National University, Korea

ec. 2017 May 2011 uly 2011 ug. 2010
uly 2011
ug. 2010
- Present
ug. 2020
ъ.
- Present
ug. 2019
1ay 2019
1ay 2018
- Present
- Present
1ay 2018
ec. 2016
overy in ar. 2018
Analysis 951.
ng 2021
Fall 2020 Fall 2020 ing 2020 Fall 2019 ing 2019 Fall 2018