

Jangho Seo

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Education

2018-03 ~ Seoul National University
2020-08 (Expected) Department of Computer Science and Engineering
M.S. student. Advisor: Prof. Byung-Gon Chun.

2014-03 ~ Seoul National University
2018-02 Department of Computer Science and Engineering
Bachelor student. Graduated with honors (Cum laude).

Research Interests

Investigations to efficiently utilize high-performance networking stack, while providing ease of programmability for application developers.

Investigations to identify and optimize for various characteristics of jobs and resources of data analytics.

Publications

International

Apache Nemo: A Framework for Building Distributed Dataflow Optimization Policies
Youngseok Yang, Jeongyoon Eo, Geon-Woo Kim, Joo Yeon Kim, Sanha Lee, Jangho Seo, Won Wook Song, Byung-Gon Chun.
2019 Annual Technical Conference (ATC 2019), July 2019.

High-Performance Stateful Stream Processing on Solid-State Drives
Gyewon Lee, Jeongyoon Eo, Jangho Seo, Taegeon Um, Byung-Gon Chun.
9th ACM SIGOPS Asia-Pacific Workshop on Systems (APSys 2018), August 2018.

Domestic

Effectiveness of Using Off-heap Memory in Java Virtual Machine-based Stream Processing System
Jangho Seo, Won Wook Song, and Byung-Gon Chun, KCC, June 2019.

Impact of Compressing Shuffle Data on Data Analytics Workload
Jangho Seo and Byung-Gon Chun, KSC, December 2018.

Optimizing Shuffle Performance for Small-scale Data Analysis using Linux zRAM
JangHo Seo and Byung-Gon Chun, KCC, June 2018.

Work Experiences

2019-07 ~
2019-10 Google LLC
Google Cloud, Sunnyvale, CA, United States.
Software Engineer(SWE) Intern.

Teaching Experiences

2019 Fall Teaching assistant for undergraduate course “Theory and Lab of IoT, AI, and Big Data”
Seoul National University

2019 Spring Teaching assistant for undergraduate course “Theory and Lab of IoT, AI, and Big Data”
Seoul National University

2018 Fall Teaching assistant for undergraduate course “Theory and Lab of IoT, AI, and Big Data”
Seoul National University

2017 Spring Teaching assistant for undergraduate course “Operating Systems”
Seoul National University

Community Services

2019 Summer Mentorship for Google Summer of Code
On behalf of Apache Software Foundation
Project: Empower Apache Nemo I/O with new hardware and off-heap memory

2018 Summer Mentorship for Google Summer of Code
On behalf of Apache Software Foundation
Project: Implement RESTful API and web ui interface in Nemo

2015-01 ~
2016-09 Head of System Administrator Group
Department of Computer Science and Engineering, Seoul National University