

CHANYEOL PARK

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EDUCATION

SungKyunKwan University

Mar. 2019 - Aug. 2020

M.S in Computer Science and Engineering

GPA: 3.98/4.50

Subjects : Advanced Information Theory, Distributed System Topics, Machine Learning, Advanced Database, Advanced System Software, Operating System Design

SungKyunKwan University

Mar. 2013 - Feb. 2019

Bachelor's Degrees in Computer Science and Engineering

GPA: 3.78/4.50

Subjects : Multicore Computing, Introduction of Software Engineering, Introduction to Database, Operating Systems, Logic Circuits, Compiler Design, Software Experiment, Introduction to Computer Networks, Computer Security, Programming Language, Computer Architectures, Data Structure and Algorithms, System Program, Programming Principle

RESEARCH INTEREST

Storage System (Key-Value Store, Indexing Scheme), Persistent Memory

EMPLOYMENT

Software Development, Storage Solution, NaverCorp.

Sep. 2020 - present

Back-end Data Engineering

Research assistant, Data Intensive Computing Lab, SKKU

Sep. 2018 - Aug. 2020

Improving Log Structured Merge Tree based Key-Value Database (C++)

Visiting Research Assistant, Virginia Tech

July. 2018 - Aug. 2018

Advisor: Changhee Jung

Analyzing performance of Google Radix Tree (C/C++)

PUBLICATIONS

ACM/IFIP International Middleware Conference (Middleware 2020)

"BoLT: Barrier-optimized LSM-Tree"

Dongui Kim, **Chanyeol Park**, Sang-Won Lee, and Beomseok Nam

Journal of Korean Institute of Information Scientists and Engineers

"PSL-DB: Non-Volatile Memory-optimized LSM-Tree with Skip List"

Chanyeol Park, Dongui Kim, and Beomseok Nam

USENIX Conference on File and Storage Technologies (FAST'20) Poster

"Optimizing Barrier Overhead on LSM-Tree with Logical SSTables"

Dongui Kim, **Chanyeol Park**, Sang-Won Lee, and Beomseok Nam

PROJECTS

OS3, Introduction of Software Engineering *Apr. 2018 - Jun. 2018*
Developing a service that crawls open source project lists from github with web crawler using Python, store them in MySQL database, and provide function to search open source through servers built using PHP at AWS.

Mini C++ Front-End Parser, Compiler Design *Sep. 2017 - Dec. 2017*
Developing mini C++ front-end parser using flex and bison.

ACTIVITIES

ACM ICPC Korean Regional, Daejeon Korea, ACM *Jan. 2017 - Nov. 2017*
Algorithm problem solving contest by cooperating with team members. Take a role that distributing problem set to team members, and solving algebra problems.
Team. Restaurant, 38th out of 525 teams, advanced to the Korean regional. (C/C++)

Teaching Experiences, SungKyunKwan University

- Introduction to Database *Mar. 2020 - Jul. 2020*
- Programming Language *Mar. 2019 - Dec. 2019*

SungKyun Tutoring, SungKyunKwan University *Mar. 2015 - Jul. 2015*
The program in which tutors conduct group learning with learners (tutee) who want to help with their learning. Working as a tutor of JAVA programming subject.

SKILLS

Programming Languages and Frameworks
C/C++, JAVA, HDFS, PMDK, Linux, MySQL, Python, HTML5, CSS, Javascript, AWS

Languages
Korean(Native), English(OPIc-IM2)

AWARDS AND SCHOLARSHIPS

Graduate Merit Scholarship, SungKyunKwan University *Mar. 2019 - Aug. 2020*

SimSan Scholarship, SungKyunKwan University *Mar. 2019 - Feb. 2020*

SungKyun Software Scholarship, SungKyunKwan University *Feb. 2014 - Feb. 2019*

SungKyun Software Scholarship, SungKyunKwan University *Mar. 2013 - Aug. 2013*

Dean's List, SungKyunKwan University *Fall Semester, 2018*

Dean's List, SungKyunKwan University *Spring Semester, 2018*

REFERENCES

Ph.D Beomseok Nam
Associate Professor
College of Software, Sungkyunkwan University

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