

Junhyeok Park

Computer System Researcher

35, Baekbeom-ro, Mapo-gu, Seoul, Republic of Korea, 04107

Contact: junttang@sogang.ac.kr / [LinkedIn](#) / [instagram](#)

Web: junttang.github.io / [Github](#) / [hyeok's log](#)

Status: currently an SK hynix graduate scholarship recipient, seeking admission to a Ph.D. program

PROFILE

HELLO WORLD

I'm Junhyeok Park, a.k.a junttang. Now I'm a Master's student in CSE at Sogang University, and a research assistant in DISCOS Lab. My goal is becoming an awesome system researcher who makes the world convenient.

EDUCATION

SOOGANG UNIVERSITY

M.S in [Computer Science and Engineering](#) (2024.03-present)

→ Advisor: [Prof. Youngjae Kim](#)

SOOGANG UNIVERSITY

B.S in [Computer Science and Engineering](#) (2024.02)

→ CGPA: 4.15/4.50 (Magna Cum Laude, 5th out of 69)

WORK EXPERIENCE

RESEARCH ASSISTANT, [DISCOS](#) Laboratory,

Sogang University, Seoul (2023.01-present)

PUBLICATION

BandSlim: A Novel Bandwidth and Space-Efficient KV-SSD with an Escape-from-Block Approach (J.Park, C.-G.Lee, S.Hwang, S.Yang, J.Noh, W.Chung, J.Lee, Y.Kim) [ICPP '24] ([pdf](#)) ([talk](#))

OctoFAS: A Two-Level Fair Scheduler that Increases Fairness in Network-Based Key-Value Storage (Y.Park, J.Park, J.Park, A.Khan, K.Kim, S.-S.Park, Y.Kim) [Electronics '24] ([pdf](#))

OctoKV: An Agile Network-based Key-Value Storage System with Robust Load Orchestration (Y.Park, J.Park, A.Khan, J.Park, C.Lee, W.Chung, Y.Kim) [MASCOTS '23] ([pdf](#)) ([talk](#))

PROJECT	<p>SK hynix. Object-based Computational Storage for Accelerating Data Analytics (2024.01-present) (link)</p> <p>Personal. TravelPT: ChatGPT-based Travel Guide Application (2023.03-2023.06) (<i>not-in-service</i>) (poster)</p>
HONOR + AWARD	<p>Selected as an SK hynix Memory System Research GRADUATE SCHOLARSHIP RECIPIENT (2024.06)</p> <p>ALBATROSS FELLOWSHIP upon the admission to the Sogang University Graduate School (2024.01)</p> <p>BEST EXCELLENCE AWARD at the 2023-1 Sogang Convergence Technology Competition (2023.06)</p>
TEACHING	<p>State of the Key-Value Computational Solid State Drive (Advanced Database System, Sogang University Graduate School, 2024.04) (pdf)</p>
SKILL + INTEREST	<p>Skill Set: C/C++, NVMe, Linux, vim, SPDK, DuckDB, DOCA, RocksDB, gRPC, Python, Xilinx SDK, SQL, Presto, Docker, Node.js, Git, MS Office, Photoshop, Firebase, draw.io, and etc</p> <p>Research Interest: Data Center, Heterogeneous Computing, DPU, CXL, NVMe SSD, Computational SSD, KV-SSD, Key-Value/Object Store, Data Analytics Platform, ZNS, QLC NAND, and etc</p>
LANGUAGE	<p>KOREAN: fluent (native)</p> <p>ENGLISH: advanced</p>