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| **Junhyeok Park** | | Computer System Researcher |
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| 35, Baekbeom-ro, Mapo-gu, Seoul, Republic of Korea, 04107 Contact: [junttang@sogang.ac.kr](mailto:junttang@sogang.ac.kr) / [LinkedIn](https://www.linkedin.com/in/junhyeok-park-618666290/) / [instagram](https://www.instagram.com/hyeok_travel/) Web: [junttang.github.io](https://junttang.github.io/) / [Github](https://github.com/junttang) / [hyeok’s log](https://velog.io/@junttang)  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 | **SOGANG UNIVERSITY**  M.S in [Computer Science and Engineering](https://cs.sogang.ac.kr/cs/index_new.html) (2024.03-present)  🡪 Advisor: [Prof. Youngjae Kim](https://sites.google.com/site/youkim/home)  **SOGANG UNIVERSITY**  B.S in [Computer Science and Engineering](https://cs.sogang.ac.kr/cs/index_new.html) (2024.02)  🡪 CGPA: 4.15/4.50 (Magna Cum Laude, 5th out of 69) | |  |
| WORK EXPERIENCE | **RESEARCH ASSISTANT,** [**DISCOS**](http://discos.sogang.ac.kr/) **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*](https://junttang.github.io/assets/icpp24_bandslim_paper.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*](https://junttang.github.io/assets/electronics24_octofas_paper.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*](https://junttang.github.io/assets/mascots23_octokv_paper.pdf)*) (*[*talk*](https://junttang.github.io/assets/mascots23_octokv_talk.pdf)*)* | |  |
| PROJEct | **SK hynix. Object-based Computational Storage for Accelerating Data Analytics** (2024.01-present) *(*[*link*](https://sc23.supercomputing.org/proceedings/exhibitor_forum/exhibitor_forum_pages/exforum116.html)*)*  **Personal. TravelPT: ChatGPT-based Travel Guide Application** (2023.03-2023.06) *(not-in-service)* *(*[*poster*](https://junttang.github.io/assets/travelpt_poster.pdf)*)* | |  |
| HONOR +  AWARD | **Selected as an SK hynix Memory System Research GRADUATE SCHOLARSHIP RECIPIENT** (2024.06)  **ALBATROSS FELLOWSHIP upon the admission to the Sogang University Graduate School** (2024.01)  **BEST EXCELLENCE AWARD at the 2023-1 Sogang Convergence Technology Competition** (2023.06) | |  |
| TEACHING | **State of the Key-Value Computational Solid State Drive** (Advanced Database System, Sogang University Graduate School, 2024.04) *(*[*pdf*](https://junttang.github.io/assets/kv_csd.pdf)*)* | |  |
| SKILL + Interest | **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  **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 | |  |
| Language | **KOREAN:** fluent (native) **ENGLISH:** advanced | |