HAE-IN CHOI

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EDUCATION

Doctor of Philosophy in Computer Science and Engineering   Sept.2023 – Present

University of California, San Diego

Research Advisor: Professor Tajana Simunic Rosing

Bachelor of Science in Materials Science and Engineering   Mar. 2011 – Feb. 2015

Seoul National University, Seoul, South Korea

WORK EXPERIENCE

Samsung Electronics Memory Division, Hwaseong, South Korea

Staff Engineer, SSD Product Planning for Client   Jan. 2022 – Aug. 2023

Applied new features and set targets based on clients' requirements.

Engineer, SSD Product Planning for Datacenter   Jan. 2015 – Dec. 2021

Applied new features and set targets based on data centers' requirements.

- Led I/O determinism (Meta), open-channel SSD (Alibaba), and SmartFTL SSD (Google) development, specified requirements at both the hardware and software level, and coordinated each development team.

RESEARCH INTEREST

- Processing in Memory/In-situ Processing
- Byte-addressable SSD
- Non-Volatile Memory(NAND/ReRAM/FeRAM)

GRANTS, FELLOWSHIPS & AWARDS

Samsung Electronics Ph.D. Program Scholarship   Oct. 2022

Samsung Electronics Industry-Academic Project Grant   Oct. 2022

Daelim Suam Undergraduate Student Scholarship   2012 – 2015