

DONGJAE LEE

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SUMMARY

I am currently a master's student in computer science and engineering, especially interested in program verification. I investigate specifications for programs, develop verification techniques, and write and verify programs.

EDUCATION

M.S., Computer Science and Engineering Expected 02.2024
Seoul National University, Seoul, South Korea

B.S., Double major in Physics and Computer Science and Engineering 08.2021
Seoul National University, Seoul, South Korea

EXPERIENCE

Max Planck Institute for Security and Privacy 03.2023 - 08.2023
Bochum, Germany: Research Intern

- Advised by Cătălin Hrițcu
- Worked on secure compilation

Software Foundations Lab, Seoul National University 09.2020 - 08.2021
Seoul, South Korea: Research Intern

- Advised by Chung-Kil Hur
- Worked on Conditional Contextual Refinement

ROK Army 01.2019 - 09.2020
South Korea: Sergeant

- Mandatory Military Service

Integrated Quantum Systems Lab, Seoul National University 04.2017 - 08.2017
Seoul, South Korea: Research Intern

- Research and experiments on NV center qubits
- Programmed and developed devices for experiments

PUBLICATIONS

*equal contribution

Stuttering for Free

Minki Cho*, Youngju Song*, **Dongjae Lee**, Lennard Gäher, Derek Dreyer.
International Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA 2023).

Fair Operational Semantics

Dongjae Lee*, Minki Cho*, Jinwoo Kim, Soonwon Moon, Youngju Song, Chung-Kil Hur.
Conference on Programming Language Design and Implementation (PLDI 2023).

Conditional Contextual Refinement

Youngju Song, Minki Cho, **Dongjae Lee**, Chung-Kil Hur, Michael Sammler, Derek Dreyer.
Symposium on Principles of Programming Languages (POPL 2023).

Sequential Reasoning for Optimizing Compilers under Weak Memory Concurrency

Minki Cho*, Sung-Hwan Lee*, **Dongjae Lee**, Chung-Kil Hur, Ori Lahav.
Conference on Programming Language Design and Implementation (PLDI 2022).

ACTIVITIES

(talk) Fair operational semantics 06.2023
Orlando, Florida, United States: PLDI 2023

(talk) Fair operational semantics

02.2023

Seoul, South Korea: SIGPL Winter School 2023 (The Korean Institute of Information Scientists and Engineers)

TEACHING

Topics in Programming Languages (Logic in computer science)

09.2023 - 12.2023

Seoul National University: Makoto Tatsuta

- TA

Principles of Programming

09.2022 - 12.2022

Seoul National University: Chung-Kil Hur

- TA

Principles and Practices of Software Development

03.2022 - 06.2022

Seoul National University: Chung-Kil Hur

- TA