

DONGJAE LEE

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SUMMARY

I am currently a master's student in computer science and engineering, especially interested in program verification. Specifically, I investigate what it means for a program to be correct, develop proof techniques, and write programs and prove them correct.

EDUCATION

M.S., Computer Science and Engineering Seoul National University, Seoul, South Korea	Expected 02.2024
B.S., Double major in Physics and Computer Science and Engineering Seoul National University, Seoul, South Korea	08.2021

EXPERIENCE

Max Planck Institute for Security and Privacy Bochum, Germany: Research Intern <ul style="list-style-type: none">Advised by Cătălin HrițcuWorked on secure compilation	03.2023 - 08.2023
ROK Army South Korea: Sergeant <ul style="list-style-type: none">Mandatory Military Service	01.2019 - 09.2020
Integrated Quantum Systems Lab (Seoul National University) Seoul, South Korea: Research Intern <ul style="list-style-type: none">Research and experiments on NV center qubitsProgrammed and developed devices for experiments	04.2017 - 08.2017

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 Orlando, Florida, United States: PLDI 2023	06.2023
(talk) Fair operational semantics Seoul, South Korea: SIGPL Winter School 2023 (The Korean Institute of Information Scientists and Engineers)	02.2023