

JuneYoung Lee



Ph.D Student (<http://sf.snu.ac.kr/> , Supervisor : Prof. Chung-Kil Hur)

E-mail: juneyoung.lee@sf.snu.ac.kr, Phone: +82-010-6522-2750

Address : South Korea, Seoul, Gwan-ak gu, Seoul National University, Room 416 Building 301

Research Interest

Correctness of compiler, Compiler IR semantics

Publication

- Lee, J., Kim, Y., Song, Y., Hur, CK., Das, S., Majnemer, D., Regehr, J., Lopes, N., “Taming Undefined Behavior in LLVM”, Proceedings of the 38th annual ACM SIGPLAN conference on Programming Languages Design and Implementation (PLDI 2017)
- Kim, H., Lee, J., Bhowmick, S., Han, W., Lee, J., Ko, S., and Jarrah, M., “DualSim: Parallel Subgraph Enumeration in a Massive Graph on a Single Machine,” In Proc. 42nd Int’l conf. on Management of Data, ACM SIGMOD, San Francisco, USA, June 2016.

Education

- 2016.3- [Software Foundation Lab, Seoul National University](#)
- 2014.9-2015.7 [Database Lab, Pohang University of Science and Technology](#)
- 2010.3-2014.8 [Pohang University of Science and Technology](#)
Bachelor’s Degree, Majored in Computer Science and Engineering, Submajored in Life Science
Magna Cum Laude. Overall GPA : 3.77/4.3, Major GPA : 3.94/4.3
- 2007.3-2010.2 [Daegu Science High School](#)

Industrial Experience

2018. Feb - Apr Research intern in [the Programming Principles and Tools Group](#) at [Microsoft Research Cambridge](#).
While in MSR Cambridge, I worked on verifying a compiler optimization verifier with [Nuno Lopes](#). I learned theorem proving language [LEAN](#) and wrote ~12K LOC with ~8K of proof.

Honors & awards

2017. Mar. - Graduate Student Scholarship. [Korea Foundation for Advanced Studies](#).
2016. Oct. Master Student Scholarship, NAVER.
2012 ACM-ICPC 2012 Asia Daejeon Regional, *5th Place*
Association for Computing Machinery, IBM
2012 POSTECH Undergraduate Research Program, *2nd Place*
Title : Feature Mining for Korean Dependency Parsing POSTECH
2011 POSTECH Programming Contest, *2th Place*
Dept. of CSE, POSTECH
2008 Intel ISEF 2008(Atlanta, Georgia) Finalist, *Special Award*
Title : An Approach to Elaborating Control Logic of Robots using Simulation and Machine Learning
Society of Science, Intel
2007 Korea Olympiad in Informatics : Software exhibition, *2nd prize*
National Information Society Agency(NIA)
2004 Korea Olympiad in Informatics : Software exhibition, *1st prize*
National Information Society Agency(NIA)

Invited Talks

2017. Summer Taming Undefined Behavior in LLVM, [SIGPL Summer Workshop 2017](#)

Teaching Experience

2017. Spring Teaching Assistant, [Principles and Practices of Software Development](#)
2016. Fall Teaching Assistant, [Programming Language](#)

Skills

LLVM, Coq, C++, Z3, LEAN

Activities

- 2013 President in club POSCAT(POSTECH Computing Algorithms Team)
2012,2013 Judge in PPC(POSTECH Programming Contest)
2012

POSTECH Undergraduate Research Program

Subject : Feature mining in Korean Dependency Parsing

2012 summer Internship at [Buzzni](#)

Last updated: May 1, 2018