

이준영 (JuneYoung Lee)



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

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Research Interest

컴파일러의 옴성 증명, 컴파일러 중간 언어 시맨틱스

Publication

- Lee, J., Kim, Y., Song, Y., Hur, CK., Das, S., Majnemer, D., Regehr, J., Lopes, N., “Taming Undefined Behavior in LLVM” PLDI ’17 (accepted)
- 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.

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.

Education

2016.3- [Software Foundation Lab, 서울대학교](#)

2014.9-2015.7 [Database Lab, 포항공과대학교](#)

2010.3-2014.8 [포항공과대학교](#)
 Bachelor's Degree, 컴퓨터공학 전공, 생명과학 부전공
Magna Cum Laude. 전체 GPA : 3.77/4.3, 전공 GPA : 3.94/4.3
 2007.3-2010.2 [대구과학고등학교](#)

Honors & awards

2017. Mar. - Graduate Student Scholarship. [한국고등교육재단](#).
 2016. Oct. Master Student Scholarship, NAVER (네이버 석사 장학생, 300만원 상금).
 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 한국 정보올림피아드 전국대회 공모전, 금상
 National Information Society Agency(NIA)
 2004 한국 정보올림피아드 전국대회 공모전, 대상
 National Information Society Agency(NIA)

Presentation

2016. Summer “LLVM undef값의 문제점 및 Freeze 명령어를 이용한 해결” (Poster), Special Interest Group on Programming Languages, South Korea, Gwangju
 2017. Summer Taming Undefined Behavior in LLVM, [한국정보과학회 프로그래밍언어연구회 여름 워크샵](#) (Invited talk)

Teaching Experience

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

Skills

LLVM, Coq, C++, LEAN, Z3

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](#)

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