

Daejun Park

Ph.D. Student

Department of Computer Science, University of Illinois at Urbana-Champaign
2107 Thomas M. Siebel Center for Computer Science
201 North Goodwin Avenue, Urbana, IL 61801-2302
Email : dpark69@illinois.edu Phone : (217) 419-1999

Research Interests

- ▶ Program verification: invariant synthesis, translation validation (for compiler).
- ▶ Security: verifiable computing (for machine learning and cryptocurrency).

Education

Ph.D., Computer Science, University of Illinois at Urbana-Champaign	2013 – present
M.S., Computer Science and Engineering, Seoul National University, Korea	2006 – 2008
B.S., Computer Science and Engineering, Seoul National University, Korea	2001 – 2006

Publications

- [1] **Semantics-Based Program Verifiers for All Languages.**
Andrei Stefanescu, Daejun Park, Shijiao Yuwen, Yilong Li, and Grigore Rosu. *Proceedings of the 2016 ACM SIGPLAN International Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA'16)*, 2016. **Distinguished Paper Award**
- [2] **KJS: A Complete Formal Semantics of JavaScript.**
Daejun Park, Andrei Stefanescu, and Grigore Rosu. *Proceedings of the 36th ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI'15)*, 2015.
- [3] **Global Sparse Analysis Framework.**
Hakjoo Oh, Kihong Heo, Wonchan Lee, Woosuk Lee, Daejun Park, Jeehoon Kang, and Kwangkeun Yi. *ACM Transactions on Programming Languages and Systems (TOPLAS)*, Vol.36, No.3, Sep 2014.

Work Experience

Research Intern, Microsoft Research, WA	Summer 2017
---	-------------

- ▶ Applied verifiable computing to deep neural network training.

Founding Member & Technical Lead, Sparrow (<i>acquired by Fasoo in 2010</i>), Korea	2008 – 2012
---	-------------

- ▶ Designed and implemented *a static program analysis tool* detecting memory safety errors and security vulnerabilities in embedded-system software.

Honors & Awards

Distinguished Paper Award at OOPSLA'16	2016
Korean Government Scholarship	2013–2015
Honors Scholarship, Seoul National University	2003–2004
Bronze Medal in National Mathematics Competition	2000

References

Grigore Rosu Professor Department of Computer Science University of Illinois at Urbana-Champaign Email: grosu@illinois.edu	Kwangkeun Yi Professor School of Computer Science and Engineering Seoul National University Email: kwang@ropas.snu.ac.kr
---	---