Jaebaek Seo

Curriculum Vitae

CONTACT

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Jaebaek Seo is a Ph.D. student
in Computer Science at KAIST
(Korea Advanced Institute of Science),
Daejeon, South Korea.

EDUCATIONS

Ph.D. in Computer Science at KAIST *Mar. 2013 - Present*

M.S. in Computer Science at KAIST *Feb. 2011 - Feb. 2013*

B.S. in Computer Science at KAIST *Mar. 2006 - Aug. 2010*

PUBLICATIONS

SGX-Shield: Enabling Address Space Layout Randomization for SGX Programs

<u>Jaebaek Seo</u>, Byoungyoung Lee, Seongmin Kim, Ming-Wei Shih, Insik Shin, Dongsu Han, and Taesoo Kim,

Proceedings of the 2017 Network and Distributed System Security Symposium (***NDSS*** '17), San Diego, CA, US, February 2017 (To be appeared)

(Acceptance ratio: 68/423=16.1%)

FLEXDROID: Enforcing In-App Privilege Separation in Android

<u>Jaebaek Seo</u>, Daehyeok Kim, Donghyun Cho, Taesoo Kim, Insik Shin,

Proceedings of the 2016 Network and Distributed System Security Symposium (***NDSS*** '16), San Diego, CA, US, February 2016

(Acceptance ratio: 60/389=15.4%)

Optimal Real-Time Scheduling on Two-Type Heterogeneous Multicore Platforms

Hoon Sung Chwa, <u>Jaebaek Seo</u>, Jinkyu Lee, Insik Shin,

Proceedings of the 36th IEEE Real-Time Systems Symposium (***RTSS*** '15), San Antonio, Texas, US, December 2015

(Acceptance ratio: 34/151=22.5%)

Preventing malicious monitoring through SMS permission segmentation in Android

Eunchan Kim, <u>Jaebaek Seo</u>, Byunggil Joe, Insik Shin,

Korea Computer Congress, Jeju, Korea, June 2015

WORKING EXPERIENCES

Microsoft Research Asia	MASS group, Intern Beijing, China	Sept 2011-Feb 2012

Resolved scalability problem in cloud gaming system (Game Sharing project). Game Sharing project is mainly related to GPU performance improvement with the knowledge of graphics applications.

Google Korea	Blogger team, Intern Seoul, South Korea	Aug 2010-Nov 2010

Participated in Mobile BlogSpot project. It was the project for the mobile web page of BlogSpot. (The current mobile BlogSpot web page is the result of my project.)

OTHER EXPERIENCES

Visiting student in Systems Software and Security Lab, Georgia Tech
Mar. 2016 - Apr. 2016
Worked with prof. Taesoo Kim and Byoungyoung Lee (Byoungyoung Lee is currently a professor in Purdue university).
Conducted SGX-Shield project.

SCHOLARSHIP

KFAS Scholarship, the Korea Foundation for Advanced Studies from 2013 to 2015

TEACHING EXPERIENCE

Undergraduate Operating System course TA in KAIST from 2011 to 2015

RESEARCH INTEREST

Systems security, Operating System, Compiler and other systems fields

REFERENCES

Insik Shin, Professor in KAIST   ishin at kaist.ac.kr

Byoungyoung Lee, Professor in Purdue University   byoungyoung at purdue.edu

Donghyun Cho, Software Engineer in Google   donghyun at google.com

Minhyun Kim, Software Engineer in Google   kimminhyun at google.com