

Jaebaek Seo

Curriculum Vitae

CONTACT

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Software Engineer
at Google.
Last update: 1/12/2018.

EDUCATIONS

Ph.D. in Computer Science at KAIST *Mar. 2013 - Aug. 2017*
M.S. in Computer Science at KAIST *Feb. 2011 - Feb. 2013*
B.S. in Computer Science at KAIST *Mar. 2006 - Aug. 2010*

WORK EXPERIENCE

Google Korea, LLC. Software Engineer III, Chrome browser April 2017-Present
Seoul, South Korea

Working on rendering and UI for Android Chrome.
In detail, my role as a software engineer in rendering and UI team for Android Chrome is to find common root causes of rendering or UI bugs in Android Chrome and solve those problems by suggesting better design and implementation of rendering and UI system.

PUBLICATIONS

SGX-Shield: Enabling Address Space Layout Randomization for SGX Programs
[Jaebaek Seo](#), Byoungyoung Lee, Seongmin Kim, Ming-Wei Shih, Insik Shin, Dongsu Han, and Tae-soo Kim,
Proceedings of the 2017 Network and Distributed System Security Symposium (*NDSS '17*), San Diego, CA, US, February 2017 (To appear)
(Acceptance ratio: 68/423=16.1%)

FLEXDROID: Enforcing In-App Privilege Separation in Android
[Jaebaek Seo](#), 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, [Jaebaek Seo](#), 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, [Jaebaek Seo](#), Byunggil Joe, Insik Shin,
Korea Computer Congress, Jeju, Korea, June 2015

INTERNSHIP

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

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, LLC.

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 EXPERIENCE

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.

TEACHING EXPERIENCE

Undergraduate Operating System course TA at KAIST from 2011 to 2015

SCHOLARSHIP

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

REFERENCES

Insik Shin, Professor
at School of Computing, KAIST

ishin at kaist.ac.kr

Taesoo Kim, Professor
at School of Computer Science, Georgia Tech

byoungyoung at purdue.edu

Byoungyoung Lee, Professor
at Department of Computer Science, Purdue University

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Alexandre Elias, Software Engineer at Google

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Donghyun Cho, Software Engineer at Google

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Minhyun Kim, Software Engineer at Google

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