# **HOON KIM**

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https://gnsrla12.github.io/

I am an M.S. student in the EE Dept. at Korea Advanced Institute of Science and Technology (KAIST). I am advised by Prof. Changho Suh and a member of Information System Laboratory. My major interest currently lay in utilizing computer simulation and deep learning to tackle real-world problems.

#### **EDUCATION**

## M.S. Electrical Engineering

Mar. 2017 - present

Korea Advanced Institute of Science and Technology, Daejeon, Korea

Advisor: Professor Changho Suh

B.S. Double Major: Electrical Engineering and Computer Science

Mar. 2012 - Feb. 2017

Korea Advanced Institute of Science and Technology, Daejeon, Korea

Exchange Student at NYU School of Engineering

Jan. 2016 - May. 2016

New York University, NY, USA

## PUBLICATIONS (\*=EQUAL CONTRIBUTION)

1. Simulated+Unsupervised Learning With Adaptive Data Generation and Bidirectional Mappings

ICLR, BC, Canada, April, 2018

Kangwook Lee\*, **Hoon Kim\***, and Changho Suh

 SGD on Random Mixtures: Private Machine Learning under Data Breach Threats ICLR Workshop, BC, Canada, April, 2018

Kangwook Lee, Kyoungmin Lee\*, **Hoon Kim\***, Changho Suh, and Kannan Ramchandran

3. SGD on Random Mixtures: Private Machine Learning under Data Breach Threats SysML, Stanford, CA, February, 2018

Kangwook Lee, Kyoungmin Lee\*, Hoon Kim\*, Changho Suh, and Kannan Ramchandran

4. Crash to not crash: Playing video games to predict vehicle collisions

ICML Workshop on Machine Learning for Autonomous Vehicles, Sydney, Australia, August, 2017 Kangwook Lee\*, **Hoon Kim\***, and Changho Suh

#### INVITED TALKS

1. Domain Adaptation from Simulation to Real World

Aug. 2018

Invited talk @ Samsung Advanced Institute of Technology (SAIT)

 Simulated+Unsupervised Learning with Adaptive Data Generation and Birectional Mappings

Invited talk @ Institute of Electronics Engineers of Korea (IEEK), Summer Conference

## WORK EXPERIENCE

1. Software Engineer Intern: Naver D2 Startup Factory

July 2015 - Aug. 2015

Electric Mobility Embedded System Development

2. Software Engineer Intern: Smilegate

July 2015

Real-time Multiplayer Game Server Development

### **AWARDS**

1. Won second place (\$10,000) in KAIST E5 Start-up Challenge, 2015

## TECHNICAL STRENGTHS

Computer Languages Python, C, C#, Matlab, Android Development

Deep Learning Tensorflow, Pytorch