

# HOON KIM

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## EDUCATION

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- 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

## PUBLICATIONS (\*=EQUAL CONTRIBUTION)

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- 1. Simulated+Unsupervised Learning With Adaptive Data Generation and Bidirectional Mappings**  
ICLR, BC, Canada, April, 2018  
Kangwook Lee\*, **Hoon Kim\***, and Changho Suh
- 2. SGD on Random Mixtures: Private Machine Learning under Data Breach Threats**  
ICLR Workshop, BC, Canada, April, 2018  
Kangwook Lee, Kyounghmin 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, Kyounghmin 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

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- 1. Domain Adaptation from Simulation to Real World** *Aug. 2018*  
Invited talk @ Samsung Advanced Institute of Technology (SAIT)
- 2. S+U Learning with Adaptive Data Generation and Birectional Mappings** *June 2018*  
Invited talk @ Institute of Electronics Engineers of Korea (IEEK), Summer Conference

## PROJECTS

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- 1. Fast image search algorithm in large scale DB** *Jan. 2017 – Dec. 2017*  
Funded by the Samsung Electronics DMC R&D Center  
Participated as researcher
- 2. Machine learning for privacy and security** *July 2018 – present*  
Funded by National Research Foundation of Korea (NRF) grant  
Participated as researcher

## WORK EXPERIENCE

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1. **Naver D2 Startup Factory**  
Embedded System Development

*July 2015 - Aug. 2015*

2. **Smilegate**  
Real-time Multiplayer Game Server Development

*July 2015*

## TECHNICAL STRENGTHS

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<b>Computer Languages</b>	Python, C, C#, Matlab, Android Development
<b>Deep Learning</b>	Tensorflow, Pytorch

## EXTRA-CIRRICULAR

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