

Insu Jang

CONTACT INFORMATION	Computer Architecture Laboratory KAIST, 291 Daehak-ro, Yuseong-gu Daejeon, Republic of Korea 34141	+82-10-2578-8375 insujang@calab.kaist.ac.kr https://insujang.github.io/about
RESEARCH INTERESTS	Computer architecture, high performance computing, cloud computing, memory systems, and hardware security	
EDUCATION	Korea Advanced Institute of Science and Technology (KAIST) Daejeon, Republic of Korea M.S., Computer Science, <i>Expected</i> : Feb 2018 (GPA: 3.99 / 4.3) Advisor: Jaehyuk Huh, Ph.D. Sungkyunkwan University , Suwon, Republic of Korea B.S., Computer Science, Feb 2016 (GPA: 4.24 / 4.5)	
RESEARCH EXPERIENCE	Hardware based Secure Heterogeneous Computing Proposed an Intel SGX extended protection mechanism for GPU computing. Master thesis research topic Practical Machine Learning on Rack-scale Computing Studied large scale machine learning architecture. Analyzed distributed machine learning frameworks and problems of them. Wireless Data Communication through Inaudible Sound Proposed a communication mechanism with mobile device speaker and microphone. Undergraduate research program (URP) research topic	
TEACHING EXPERIENCE	Teaching Assistant CS230 – System Programming Instructor: Jaehyuk Huh, Ph.D. School of Computing, KAIST	Fall 2016
EXTRA ACADEMIC ACTIVITIES	Vice Representative School of Computing, KAIST, Daejeon, Republic of Korea	May 2016 – Aug 2016
	Research Intern Electronics and Telecommunications Research Institute (ETRI) Daejeon, Republic of Korea Topic: Xen virtualization	Jan 2016 – Feb 2016
	Research Intern Advanced Institutes of Convergence Technology (AICT) Suwon, Republic of Korea Topics: Hadoop and Apache Spark	Jul 2015 – Aug 2015
	Purdue/NIPA Capstone Project Purdue University, West Lafayette, IN, USA Topic: cooperative fire security system with a humanoid robot	Jul 2014 – Aug 2014
	Developer Member Samsung Software Membership, Suwon, Republic of Korea Topics: Smart Lecture: HTML5 based lecture share system, intranet total management system, MoleRush: Smart TV - Android interactive game	Jan 2013 – Apr 2014

HONORS AND AWARDS	National Scholarship , KAIST	2016 – present
	Korea National Scholarship for Science and Engineering , Korea Student Aid Foundation	2014 – 2015
	Excellence Award , 2015 Convergence App Contest, Sungkyunkwan University	Dec 2015
	Dean’s List Award , Sungkyunkwan University	Apr 2015
	Dean’s List Award , Sungkyunkwan University	Oct 2014
	Grand Prize , 2013 Smart TV App and Peripherals Contest, Korea Ministry of Trade, Industry, and Energy	Nov 2013
	Grand Prize , 2013 Mobile E-learning App Idea Contest, Korea Ministry of Education	Sep 2013
SKILLS	Languages	
	C, C++, Java, Python, Vivado HLS	
	Software Frameworks	
	Mobile: Android	
	Virtualization: KVM, QEMU	
	Database: MySQL, MongoDB	
	FPGA: Vivado, Vivado HLS, Petalinux	
REFERENCES	GPU: NVIDIA CUDA	
	Security: Intel Software Guard Extensions (SGX)	
	Documentation Tools	
	LaTeX, matplotlib, OmniGraffle	
	Jaehyuk Huh	
	Associate Professor, School of Computing, KAIST	e-mail: jhuh@kaist.ac.kr

[CV last updated on Sep 25, 2017]