

Insu Jang

CONTACT INFORMATION	291 Daehak-ro, Yuseong-gu Daejeon, Republic of Korea 34141	+82-10-2578-8375 insujang@calab.kaist.ac.kr
RESEARCH INTERESTS	Computer architecture, high performance computing, cloud computing, memory systems, 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	Research Assistant School of Computing, KAIST Supervisor: Jaehyuk Huh, Ph.D. Undergraduate Research Assistant College of Software, Sungkyunkwan University Supervisor: Hyunseung Choo, Ph.D. Topic: Wireless data communication through inaudible sound	Mar 2016 to present May 2014 to Jul 2015
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 Research Intern Electronics and Telecommunications Research Institute (ETRI) Daejeon, Republic of Korea Research Intern Advanced Institutes of Convergence Technology (AICT) Suwon, Republic of Korea Purdue/NIPA Capstone Project Purdue University, West Lafayette, IN, USA Developer Member Samsung Software Membership, Suwon, Republic of Korea	May 2016 – Aug 2016 Jan 2016 – Feb 2016 Jul 2015 – Aug 2015 Jul 2014 – Aug 2014 Jan 2013 – Apr 2014
HONORS AND AWARDS	Excellence Award, 2015 Convergence App Contest Sungkyunkwan University Dean's List Award, Fall 2014 College of Information and Communication, Sungkyunkwan University Dean's List Award, Spring 2014 College of Information and Communication, Sungkyunkwan University Grand Prize, 2013 Smart TV App and Peripherals Contest Korea Ministry of Trade, Industry, and Energy Grand Prize, 2013 Mobile E-learning App Idea Contest Korea Ministry of Education	Dec 2015 Apr 2015 Oct 2014 Nov 2013 Sep 2013

PROJECTS	RTSR: Real Time Video Super Resolution	Spring 2017
	CS570 – Machine Learning	
	Applied deep learning based Single Image Super Resolution (SISR) technique into videos.	
	[Report] [PPT]	
	HEAD: HardwarE Accelerated Deduplication	Fall 2016
	CS710 – Topics in Computing Acceleration with FPGA	
	Implemented Xilinx FPGA based implementation for file data deduplication.	
	[PPT] [Code]	
	SUNSHINE: Service for U to eNhance Self-management Helpfully and Intelligently from Now to forEver	Spring 2016
	CS442 – Mobile Applications	
	Proposed an intelligent way to control mobile app execution and Internet contents based on contents related factor analysis.	
	[Report]	
	CSMA/CN: Collision Notification for 802.11 WLAN with BLE	Spring 2016
	CS546 – Wireless Mobile Internet	
	Proposed a way to notify a collision from a router to clients with Bluetooth Low Energy.	
	[Proposal] [Code]	
	Energy Aware Real-time Scheduling Algorithm on ARM big.LITTLE HMP Architecture	Fall 2015
	ECE5756 – Real Time Systems and Applications	
	Proposed an algorithm to reduce power consumption while keeping real-time constraints.	
	[Report]	
	My Summary Note: Automatic Note Summary Application	Fall 2015
	ICE3037 – Design Capstone Project	
	Awarded an excellence prize in 2015 Convergence App Contest	
	Proposed an automatic way of user's summaries in PDFs with Android tablet.	
	[Report (Korean)] [PPT (Korean)]	
	MoleRush: Smart TV - Android Interactive Game	Sep 2013
	A project in Samsung Software Membership	
	Awarded a grand prize in 2013 Smart TV App and Peripherals Contest	
	Designed a game using smartphones as controllers, and a smart TV as a display board.	
	[Play movie (Korean)]	

REFERENCES	Jaehyuk Huh	
	Associate Professor	e-mail: jhuh@kaist.ac.kr
	School of Computing, KAIST	