EDUCATION	\$	<b>Doctor of Philosophy, Computer Science and Engineering</b> University of Michigan. Advisor: Daniel Genkin Research Topic: Rowhammer attack and defenses Expected Graduation: May 2025	Sep. 2020 - Present	
	\$	Master of Science, Intelligent Systems Seoul National University Thesis: CAT-TWO: Counter-based Adaptive Tree, Time Window Optimized for DRAM Rowhammer Prevention Advisor: Jung Ho Ahn	Mar. 2018 - Feb. 2020	
	\$	<b>Bachelor of Science, Electrical and Computer Engineering</b> Seoul National University * 2 year leave due to military service	Mar. 2011 - Feb. 2018	
Research experience	\$	<b>Visiting Scholar</b> , Computer Systems Laboratory Cornell University Advisor: G. Edward Suh Research tonics memory doduplication & compression	Oct. 2019 – Dec. 2019	
	\$	Research topic: memory deduplication & compression <b>Undergraduate Researcher</b> , MWNL Seoul National University Advisor: Sunghyun Choi Research topic: LTE deployment in the unlicensed spectrum	Jan. 2016 – May. 2016	
Work experience	\$	<b>Intern</b> , Context Part, Kakao Enterprise Worked on optimizing mobile NMT and deployment	Mar. 2020 – Aug. 2020	
	$\diamond$	Intern, Mobile Communications Business, Samsung Electronics	Jul. 2017 – Aug. 2017	
PUBLICATIONS	1.	Ingab Kang, Walter Wang, Jason Kim, Stephan van Schaik, Youssef Tobah, Daniel Genkin, Andrew Kwong, Yuval Yarom "SledgeHammer: Amplifying Rowhammer via Bank-level Parallelism," USENIX Security, 2024		
	2.	. Youssef Tobah, <u>Ingab Kang</u> , Andrew Kwong, Daniel Genkin, Kang G. Shin "Go Go Gadget Hammer: Flipping Nested Pointers for Arbitrary Data Leakage," <i>USENIX Security</i> , 2024		
	3.	. Youssef Tobah, Andrew Kwong, <u>Ingab Kang</u> , Daniel Genkin, Kang G. Shin "SpecHammer: Combining Spectre and Rowhammer for new speculative attacks," <i>S&amp;P</i> , 2022		
	4.	. Sungbo Park, <u>Ingab Kang</u> , Yaebin Moon, Jung Ho Ahn, G. Edward Suh "BCD Deduplication: Effective Memory Compression Using Partial Cache-Line Deduplication, " <i>ASPLOS</i> , 2021		
	5.	. <u>Ingab Kang</u> , Eojin Lee, and Jung Ho Ahn "CAT-TWO: Counter-based Adaptive Tree, Time Window Optimized," <i>IEEE Access</i> , 2020.		
	6.	. Eojin Lee, <u>Ingab Kang</u> , Sukhan Lee, G. Edward Suh, and Jung Ho Ahn "TWiCe: Preventing Row-hammering by Exploiting Time Window Counters," <i>ISCA</i> , 2019.		
	7.	Kangjin Yoon, Taejun Park, Jihoon Kim, Weiping Sun, Sunwook Hwang, <u>Ingab Kang</u> , and Sunghyun Choi "COTA: Channel occupancy time adaptation for LTE in unlicensed spectrum," <i>DySPAN</i> , 2017.		
Patent	\$	<b>US Patent 11,037,618</b> , Eojin Lee, <u>Ingab Kang</u> , and Jung Ho Ahn "Row hammer prevention circuit, a memory module including the row hammer prevention circuit, and a memory system including the memory module"		
PEER REVIEW	$\diamond$	USENIX Security, 2022		
	$\diamond$	> IEEE Transactions on Computers, 2023		
Skills	$\diamond$	Proficient Programming Languages: C/C++, Python, Rust		