

EDUCATION	<ul style="list-style-type: none">◇ Doctor of Philosophy, Computer Science and Engineering Sep. 2020 - Present University of Michigan. Advisor: Daniel Genkin Research Topic: Rowhammer attack and defences GPA: 3.753 / 4.0◇ Master of Science, Intelligent Systems Mar. 2018 - Feb. 2020 Seoul National University, Korea. Thesis: CAT-TWO: Counter-based Adaptive Tree, Time Window Optimized for DRAM Rowhammer Prevention Advisor: Jung Ho Ahn GPA : 4.12 / 4.30◇ Bachelor of Science, Electrical and Computer Engineering Mar. 2011 - Feb. 2018 Seoul National University, Korea. Major GPA: 3.42 / 4.30 * 2 year leave due to military service
WORK EXPERIENCE	<ul style="list-style-type: none">◇ Intern, Context Part, Kakao Enterprise Mar. 2020 – Aug. 2020 Worked on optimizing mobile NMT and deployment◇ Visiting Scholar, Computer Systems Laboratory Oct. 2019 – Dec. 2019 Cornell University Advisor: Prof. G. Edward Suh Research topic: memory deduplication & compression◇ Intern, Mobile Communications Business, Samsung Electronics Jul. 2017 – Aug. 2017
PUBLICATIONS	<ol style="list-style-type: none">1. Youssef Tobah, Andrew Kwong, Ingab Kang, Daniel Genkin, Kang G. Shin "SpecHammer: Combining Spectre and Rowhammer for new speculative attacks," <i>IEEE Security and Privacy</i> (Oakland), 20222. Sungbo Park, Ingab Kang, Yaebin Moon, Jung Ho Ahn, G. Edward Suh "BCD Deduplication: Effective Memory Compression Using Partial Cache-Line Deduplication," <i>International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS)</i>, 20213. Ingab Kang, Eojin Lee, and Jung Ho Ahn "CAT-TWO: Counter-based Adaptive Tree, Time Window Optimized," <i>IEEE Access</i>, 2020.4. Eojin Lee, Ingab Kang, Sukhan Lee, G. Edward Suh, and Jung Ho Ahn "TWiCe: Preventing Row-hammering by Exploiting Time Window Counters," <i>International Symposium on Computer Architecture (ISCA)</i>, 2019.5. Kangjin Yoon, Taejun Park, Jihoon Kim, Weiping Sun, Sunwook Hwang, Ingab Kang, and Sunghyun Choi "COTA: Channel occupancy time adaptation for LTE in unlicensed spectrum," <i>International Symposium on Dynamic Spectrum Access Networks (DySPAN)</i>, 2017.
HONORS/ AWARDS	<ul style="list-style-type: none">◇ National Scholarship for Science and Engineering, Mar. 2011 – Feb. 2012 Korea Student Aid Foundation, Seoul, Korea◇ Superior Academic Performance Scholarship, Spring 2015, Fall 2015, Spring 2016 Seoul National University, Seoul, Korea
TEACHING EXPERIENCE	<ul style="list-style-type: none">◇ Teaching Assistant, Digital System Design and Practice, Sep. 2018 – Dec. 2018 Seoul National University