

Inho Choi

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EDUCATION

- **National University of Singapore** Singapore
Ph.D. Candidate in School of Computing (Advisor: Prof. Jialin Li); Aug 2019 – Jan 2025 (Expected)
- **Yonsei University** Seoul, Republic of Korea
Bachelor's Degree in Computer Science; March 2012 – August 2019
- **Uppsala University** Uppsala, Sweden
Exchange Student in Information Technology; August 2017 – January 2018

PUBLICATIONS

- [APSYS '23] **Capybara: μ Second-scale live TCP migration (To appear):**
Inho Choi, Nimish Wadekar, Raj Joshi, Joshua Fried, Dan R. K. Ports, Irene Zhang, and Jialin Li.
14th ACM SIGOPS Asia-Pacific Workshop on Systems (APSys 2023)
- [SIGCOMM '23] **Network Load Balancing with In-network Reordering Support for RDMA (To appear):**
Cha Hwan Song, Xin Zhe Khooi, Raj Joshi, **Inho Choi**, Jialin Li, and Mun Choon Chan.
Proceedings of the 2023 ACM SIGCOMM Conference
- [NSDI '23] **Hydra: Serialization-Free Network Ordering for Strongly Consistent Distributed Applications:**
Inho Choi, Ellis Michael, Yunfan Li, Dan Ports, and Jialin Li.
Proceedings of the 20th USENIX Conference on Network Systems Design and Implementation
- [S&P (Oakland) '20] **A Stealthier Partitioning Attack against Bitcoin Peer-to-Peer Network:**
Muoi Tran, **Inho Choi**, Gi Jun Moon, Viet-Anh Vu, and Min Suk Kang.
In Proceedings of IEEE Symposium on Security and Privacy, May 2020.
- [UbiComp Workshop '17] **Multimodal Data Collection Framework for Mental Stress Monitoring:**
Saewon Kye, Junhyung Moon, Juneil Lee, **Inho Choi**, Dongmi Cheon, Kyoungwoo Lee.
In Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and
Proceedings of the 2017 ACM International Symposium on Wearable Computers. (Workshop Paper)

AWARDS

- **NUS Research Scholarship** Aug 2019 – Present
National University of Singapore
- **Research Achievement Award** Jan 2023
National University of Singapore
- **Honors - 1st Semester, 2018** Aug 2018
Yonsei University

EXPERIENCES

- **Research Intern** FPGA Hardware / Software / System Design
AMD, Xilinx, Singapore *May 2023 - August 2023*
 - **Hardware Accelerator in Data Centers:** Work on a research project of RDMA and computation offloading using FPGA-based SmartNIC

- **Research Intern** Advisor: Prof. Min Suk Kang
National University of Singapore, School of Computing *September 2018 - February 2019*
 - **Blockchain Systems & Network Security:** Investigate partitioning attacks against Blockchain network.

- **Research Intern** Advisor: Prof. Kyoungwoo Lee
Yonsei University, Computer Science *February 2017 - May 2018*
 - **Sensing Systems using Deep Learning:** Design realtime stress recognition system using deep learning.

- **Summer Internship** IT Planning Team
Metlife Insurance Company of Korea. Ltd. *July 2018 - August 2018*