

# KYEONGMIN CHO

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## EDUCATION

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**Korea Advanced Institute of Science and Technology (KAIST)** SEP. 2019 - AUG. 2024  
Ph.D. in Computer Science (Advisor: [Jeehoon Kang](#)) Daejeon, Korea  
Dissertation: *Principles of Byte-Addressable Persistency*

**Inha University** MAR. 2013 - AUG. 2019  
B.S. in Computer Science & Engineering; and B.A. in Philosophy Incheon, Korea

## EMPLOYMENT

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**Rebellions Inc.** SEP. 2024 - PRESENT  
NPU Compiler Engineer Seongnam, Korea

Web Application Developer at Marketit Inc. Seoul, Korea, JUL. 2016 - AUG. 2017

Trainee at Software Maestro, Ministry of Science and ICT Seoul, Korea, JUN. 2015 - JUN. 2016

## PUBLICATIONS

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**Quantum Probabilistic Model Checking for Time-Bounded Properties**  
Seungmin Jeon, Kyeongmin Cho, Changu Kang, Janggun Lee, Hakjoo Oh, Jeehoon Kang  
Object-oriented Programming, Systems, Languages, and Applications ([OOPSLA 2024](#))

**Memento: A Framework for Detectable Recoverability in Persistent Memory**  
Kyeongmin Cho, Seungmin Jeon, Azalea Raad, Jeehoon Kang  
Programming Language Design and Implementation ([PLDI 2023](#))

**Revamping Hardware Persistency Models: View-Based and Axiomatic Persistency Models for Intel-x86 and Armv8**  
Kyeongmin Cho, Sung-Hwan Lee, Azalea Raad, Jeehoon Kang  
Programming Language Design and Implementation ([PLDI 2021](#))

## PROFESSIONAL SERVICES

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Artifact Evaluation Committee: [POPL 2022](#)

## SELECTED HONORS AND AWARDS

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**NAVER Ph.D. Fellowship Award** NAVER Corp., DEC. 2021

**Best Award (1st place)** in the Computer Science Capstone Design Competition DEC. 2018  
(Project: *A Framework for Fuzzing Android Applications*) Inha University

**Bronze Award (14th place)** Nov. 2014  
in the ACM International Collegiate Programming Contest ([ICPC](#)) Regional Contest ACM

**Kiwoom Securities Financial Scholarship** Kiwoom Securities Corp., FEB. 2014 - FEB. 2015

## INVITED TALKS

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<b>Chasing Dragons: Persistent Memory Programming</b> in Korean Institute of Information Scientists and Engineers SIGPL Summer School	AUG. 2023
<b>Memento: A Framework for Detectable Recoverability in Persistent Memory</b> in Samsung Global Technology Symposium	APR. 2023
<b>Revamping Hardware Persistency Models</b> in Korea Software Congress	DEC. 2021

## TEACHING EXPERIENCE

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<b>KAIST CS220: Programming Principles</b> Teaching Assistant (Instructor: Jeehoon Kang)	SEP. 2023 - DEC. 2023 Daejeon, Korea
<b>KAIST CS420: Compiler Design</b> Teaching Assistant (Instructor: Jeehoon Kang)	MAR. 2022 - JUN. 2022 Daejeon, Korea
<b>KAIST CS431: Concurrent Programming</b> Teaching Assistant (Instructor: Jeehoon Kang)	SEP. 2021 - DEC. 2021 Daejeon, Korea
<b>KAIST CS230: System Programming</b> Teaching Assistant (Instructor: Jeehoon Kang)	MAR. 2021 - JUN. 2021 Daejeon, Korea
<b>Fastcampus</b> Instructor (Subject: <i>Python for Business Automation</i> )	DEC. 2015 - JUN. 2016 Seoul, Korea
<b>Hansei Cyber Security High School</b> Instructor (Subject: <i>Basic Algorithms</i> ), Problem Setter (Youth CTF)	SEP. 2015 Seoul, Korea