

Ulsan, Korea
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Xinyue Ma

Master Candidate

RESEARCH INTERESTS

- Distributed Learning
- Continual Learning
- Systems for Artificial Intelligence
- Big Data Analysis

EDUCATION

Korea Advanced Institute of Science and Technology,
B.S. in Electrical Engineering | Minor: Computer Science

Feb. 2017 - Aug. 2021
Advisor: Euijong Steven Whang

Ulsan National Institute of Science and Technology
M.S. in Computer Science Engineering
Affiliation: OMNIA Lab of UNIST

Feb. 2022 - Present
Advisor: Jeon Myeongjae

RESEARCH EXPERIENCE

Individual Study Nov. 2019 — Feb. 2020 *Bio Medical Microsystems Lab of KAIST* KAIST, Korea
Studied the use of hologram to address the mismatch of medias using ultrasound transducers for brain

PROJECTS

Design of OISC microprocessor Digital Design
Designed and optimized a OISC processor with Verilog (structural level)

Pintos Operating Systems
Studied the building blocks of modern operating systems via Pintos projects

Design and simulation of RISC-V microprocessor Computer Architecture
Implemented Single-cycle, multi-cycle and pipelined CPU with cache functionality

SCHOLARSHIPS

University Scholarship (full tuition), *Korea Advanced Institute of Science and Technology* Feb. 2017 - Feb. 2021
Full Scholarship (tuition and living expenses), *Korea Science Academy* Feb. 2014 - Feb. 2017

EXPERIENCES

Teaching Assistant Advanced Programming (2020 Fall)

SKILLS

Programming Language	C/C++, Python, SQL, VHDL, Assembly
Tools	PyTorch, TensorFlow, MapReduce, Microsoft Office Suite
Skillset	Socket Programming, Pintos, Verilog (Behavioral and Structural)
Communication	Chinese (native speaker), English (fluent), Korean (fluent)