Curriculum Vitae

Personal Information

Name: Zecheng Li
Gender: Male
Nationality: China
Date of birth: 1999. 11.22
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Education

Bachelor of Engineering
Beijing Normal University, Zhuhai, China 2018.09 - 2022.06
Major: Measurement Control Technology and Instruments (3.2/4, Rank 15%)
Supervisor: Yi Zhao Yi Zhao - IEEE Xplore Author Profile

Master of Science
Tohoku University, Sendai, Japan (Current, 3.2/4) 2022.10 - 2024.09
Major: Computer Architecture
Supervisor: Hiroaki Kobayashi Hiroaki Kobayashi (tohoku.ac.jp)

Research Projects

- Design of DDS and Oscilloscope System Based on FPGA
  Provincial level of the innovation project of university students
- Smart cache system for Disaggregated Memory System
  Master Thesis

Publication

- Memory Page Prefetching for Disaggregated Memory Systems. Zecheng Li, Masayuki Sato, Kazuhiko Komatsu, and Hiroaki Kobayashi (2023)
  Multidisciplinary Seminar/Multidisciplinary Seminar Preprint 4.pdf at main • Randolph7/Multidisciplinary Seminar (github.com)

Internship

- Zhuhai Atomic Technology Co., Ltd. 2021.04 - 2021.08
  Internship at the integrated circuit department
  Understand the placement and routing algorithm, verilog simulation, the current development of tsv-based-3 dIC.

- Allwinner Technology Co., Ltd. 2021.09 - 2022.06
  Internship as the Embedded Software Engineer.
  Develop Pedestrian Detection System Based on Allwinner D1-RISC-V Processor, Designed a compact development board, ported the NanoDet model, and broadcast detection results of pedestrain to other devices via BLE.

- Guangdong Institute of intelligent technology and technology. 2022.09 - 2023.02
  Supervisor:
  Li-Rong Zheng https://gdiist.cn/research/team_detail/6
  Yuxiang Huan https://gdiist.cn/research/team_detail/13

  Brain-like Computing Research Group, FPGA & Software Intern.
  Porting and FPGA Verification of RISC-V Processor CVA6: Modified CVA6 processor for FPGA booting, completed SoC trimming, and verified booting on FPGA. Migrating the MPI standard to the bare-metal muiltcore NoC system.

Awards and Prizes

- Professional Excellence Scholarship 2019. 10
  2020. 10 & 2021. 10
- National Inspirational Scholarship

- Second prize of the National Software and Information Technology Professional Talent Competition Electronic Contest MCU Design and Development 2020. 10
- Third prize of the National Software and Information Technology Professional Talent Competition Electronic Contest MCU Design and Development 2021.04

- First prize of the English speech contest BNUZ 2018. 11 & 2019.

Others

Languages: Chinese&Cantonese(native), English (fluent), Japanese(beginner)
Programming language: C/C++, Verilog HDL, Python
Programming software: ChampSim, gem5,Visual Studio Code,Vivado,Keil
Experimental equipment : Oscilloscope, Modelsim Simulation, DDS