

# Ruijie Gao

PhD Student / Graduate Research Assistant

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## Research Interests

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My research focuses on computer architecture and electronic design automation, with particular emphasis on automated reasoning, agile hardware design, and  $\mu$ Arch

## Education

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2025 - Present	<b>University of Michigan</b> , Ann Arbor, MI <i>Ph.D. in Computer Science and Engineering</i>
2021 - 2025	<b>University of Glasgow</b> , Glasgow, UK <i>B. Eng. in Electrical and Electronics Engineering (Hons)</i>
2021 - 2025	<b>University of Electronic Science and Technology of China</b> <i>B. Eng. in Electrical and Electronics Engineering (Dual Degree)</i>

## Publications

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1. Jian Weng, Boyang Han, Derui Gao, **Ruijie Gao**, Wanning Zhang, An Zhong, Ceyu Xu et al. *Assassyn: A Unified Abstraction for Architectural Simulation and Implementation*. In **Proceedings of the 52nd Annual International Symposium on Computer Architecture** (ISCA 2025)
2. Zhongzhi Yu, Zheng Wang, Yuhang Li, **Ruijie Gao**, Xiaoya Zhou, Sreenidhi Reddy Bommu, Yang Zhao, and Yingyan Lin. *Edge-llm: Enabling efficient large language model adaptation on edge devices via unified compression and adaptive layer voting*. In **Proceedings of the 61st ACM/IEEE Design Automation Conference** (DAC 2024)

## Experience

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08/2025 - Present	<b>University of Michigan, Ann Arbor</b> <i>Graduate Research Assistant</i> Supervised by Prof. Nathaniel Bleier
02/2025 - 07/2025	<b>University of Michigan, Ann Arbor</b> <i>Undergraduate Research Assistant</i>
05/2024 - 09/2024	<b>King Abdullah University of Science and Technology</b> <i>Research Intern</i> Supervised by Prof. Jian Weng.

## Teaching Experience

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UofGlasgow & UESTC	<b>Lead Teaching Assistant</b> , Spring 2024, 2025 UESTC2004: Embedded Processors
	<b>Teaching Assistant</b> , Spring 2024, 2025 UESTC1008: Microelectronic Systems
	<b>Teaching Assistant</b> , Fall 2022, 2023, 2024 UESTC1005: Introductory Programming

## Honors & Awards

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2025 | **ISCA 2025 Student Travel Grant**, IEEE Technical Committee on Computer Communication (TCCC)

2024 - 2025 | **Graduate Teaching Assistant Excellence Award**, UofG & UESTC Joint School

2023 - 2024 | **Graduate Teaching Assistant Excellence Award**, UofG & UESTC Joint School