

# Ruijie Gao

PhD Student / Graduate Research Assistant

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## Research Interests

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

## Publications

- 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)**
- Zhongzhi Yu, Zheng Wang, Yuhan 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><br><i>Graduate Research Assistant</i><br>Supervised by Prof. Nathaniel Bleier |
| 02/2025 - 07/2025 | <b>University of Michigan, Ann Arbor</b><br><i>Undergraduate Research Assistant</i>                                    |
| 05/2024 - 09/2024 | <b>King Abdullah University of Science and Technology</b><br><i>Research Intern</i><br>Supervised by Prof. Jian Weng.  |

## Teaching Experience

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

**Honors & Awards**

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2025		<b>ISCA 2025 Student Travel Grant</b> , IEEE Technical Committee on Computer Communication (TCCC)
2024 - 2025		<b>Graduate Teaching Assistant Excellence Award</b> , UofG & UESTC Joint School
2023 - 2024		<b>Graduate Teaching Assistant Excellence Award</b> , UofG & UESTC Joint School