

# Zhenyu Bo

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## Education

**University of Science and Technology of China**  
**Bachelor of Engineering in Computer Science**  
**Major:** Computer Science

Hefei, China  
Expected May 2026

- Member of Hua Xia Talent Program in Computer Science and Technology
- GPA: 3.87/4.3 | 89.94/100    Rank: 12th/171 | Top 7%
- Core Coursework: Computer Programming A, Data Structure, Introduction to Computing Systems(H), Operating Systems(H), Computer Organization and Design(H), Principles and Techniques of Compiler(H), Computer Networks, Ethics and Practice of Data privacy, Syllabus of Digital Logic Lab

**Minor:** Finance

- GPA: 3.43/4.3    No class ranking provided
- WorldQuant IQC Gold Medalist(2024)

## Honors

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|--|------------|
| • <b>National Scholarship</b>                            | 2024       |
| • Jianghuai NIO Scholarship                              | 2023       |
| • Hua Xia Talent Scholarship                             | 2023, 2024 |
| • WorldQuant International Quant Championship Gold       | 2024       |
| • HarmonyOS Application Developer Advanced Certification | 2024       |
| • OpenHarmony Talent Certification                       | 2024       |

## Research Experience

**Cognitive Diagnosis Optimization**, *State Key Laboratory of Cognitive Intelligence*

- Improved fairness by dynamically adjusting the ratio of two groups of data in each batch during training.
- Improved accuracy by adding an auxiliary model, and then judging the reliability of the data based on the difference between the main model and the auxiliary model, and adjusting the data weights accordingly.

**LLM-assisted Code Repair**, <https://github.com/Zhenyu-Bo/Code-Assistant>

- Using RAG technology to preprocess the user's code repository and inject precise information into LLM to improve code awareness of LLM and reduce context overhead.

**FreeRTOS Security Enhancement**, <https://github.com/OSH-2024/mustrust>

- Using Rust to rewrite the core code of FreeRTOS (using C) to improve security.

## Internship Experience

**Internship at Huawei**

July - Aug 2024

- Developed audio interface demos for OpenHarmony OS using API provided by Huawei.
- Authored official API documentation.

## Leadership & Activities

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|--|----------------------|
| • Department head of Youth Volunteers Association of School of Life Sciences | May 2023 - May 2024  |
| • Member of Student Union of School of Life Sciences                         | Sept 2022 - May 2023 |

## Skills

- **Programming:** Languages: C (Proficient), C++/Python/Verilog (Advanced), Rust/TypeScript (Familiar)
- **Language:** English, Chinese
- **Finance:** Minor in finance with most core courses completed