

# YU ZHANG

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## Education

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Wuhan University, Wuhan, China

September 2022 — June 2026 (Expected)

School of Cyber Science and Engineering

- **GPA:** 3.6/4.0
- **Average:** 87/100

## Experience

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Data Security Lab

Student Assistant

Undergraduate Research Intern

2023.10 -- 2024.06

- **Description:** Research on the Security of Adversarial Attacks on Speech Translation Systems
- **Contribution:** Conducting a comparison of traditional untargeted attacks, conventional direct targeted attacks, and our untranslation attack in speech translation systems

## Publications

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- **When Translators Refuse to Translate: A Novel Attack to Speech Translation Systems.** Wu, H., Liu, C., Chen, J., Du, R., He, K., **Zhang, Y.**, Wu, C., Zhang, T., Guo, Q., & Zhang, J. (2025). To appear in Proceedings of the Usenix Security Symposium 2025.

## Selected Projects

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Chinese Text Corretion

Natural language processing

Team member

2024.09 -- 2025.06(Expected)

- **Description:** Research on improving the performance of automated Chinese text proofreading
- **Contribution:** Drawing inspiration from large language models (LLMs) successful applications in machine translation, leveraging them to enhance the performance of Chinese text error correction tasks

rCore/uCore on RISC-V

Operating System

Team Leader

2024.9 -- 2024.12

- **Description:** Using system-level development languages (Rust/C) to implement a Unix-like operating system based on RISC-V
- **Contribution:** Complete the main system calls as the main developer

## Competitions and Awards

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- **Professional Skills Competition:** WhuCTF 2023 Second Prize

## Skills and Interests

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- **Programming Languages:** Proficient in C/C++; familiar with Rust, Python; have experience in Java, SQL, Golang
- **Development Tools:** Proficient in Git, Docker
- **Interests:** Machine Learning, Natural language processing, Speech Process, Operating System, etc.