

# Yiqi Zhu

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## EDUCATION

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**High School Affiliated to Fudan University**, Shanghai, China  
Student, Buqin College

2019.9 — 2022.6

**Tsinghua University**, Beijing, China  
Undergraduate, Department of Computer Science and Technology

2022.9 — Present  
GPA: 3.89 / 4.00

## RESEARCH EXPERIENCE

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### Institute for AI Industry Research (AIR), Tsinghua University

2023.10 — Present

Research Intern, with Yang Liu and Peng Li

Research Topics:

- Multimodal Large Language Model [4]
- Visual Scene Understanding [2]
- Language Model Based Agent [3]

### Language Technologies Institute, Carnegie Mellon University

2025.6 — 2025.11

Research Intern, with Graham Neubig

Research Topics:

- Coding Agent [1]

## RESEARCH INTERESTS

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**AI Agent**: building robust language agents to finish challenging tasks (e.g. discover scientific knowledge).

**World Modeling**: empowering foundation models with the ability of understanding and simulating the real world.

**Foundation Model ∩ Embodied AI**: utilizing the generalization ability of (visual) foundation models to help with embodied scenarios and tasks.

## RESEARCH OUTCOMES

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### [1] Training Versatile Coding Agents in Synthetic Environments

*Yiqi Zhu, Apurva Gandhi, Graham Neubig.* Preprint.

### [2] CoSpace: Benchmarking Continuous Space Perception Ability for Vision-Language Models

*Yiqi Zhu\*, Ziyue Wang\*, Can Zhang, Peng Li, Yang Liu.* CVPR 2025.

### [3] AIGS: Generating Science from AI-Powered Automated Falsification

*Zijun Liu\*, Kaiming Liu\*, Yiqi Zhu\*, Xuanyu Lei\*, Zonghan Yang\*, Zhenhe Zhang, Peng Li, Yang Liu.* Tech Report.

### [4] Browse and Concentrate: Comprehending Multimodal Content via prior-LLM Context Fusion

*Ziyue Wang\*, Chi Chen\*, Yiqi Zhu, Fuwen Luo, Peng Li, Ming Yan, Ji Zhang, Fei Huang, Maosong Sun, Yang Liu.* ACL 2024 (Oral).

## PROJECT EXPERIENCE

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### Alzheimer's Disease Diagnosis System

Software Engineering, 2023 Fall

The system is now being improved and used by Peking Union Medical College Hospital.

## SKILLS

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- **Language**: Native in Chinese; Fluent in English (Overall 8 in IELTS, Listening 8, Reading 9, Writing 7.5, Speaking 7).
- **Coding**: Python, C++, Rust, TypeScript, L<sup>A</sup>T<sub>E</sub>X, ...