Personal Information

Name: Zhao Tong **Gender:** Male

Date of Birth: 2004.11

Education

Tongji University Bachelor's Shanghai

School of Electronics and Information Engineering Artificial Intelligence 2023.9–Present

GPA: 4.6/5.0 **Rank:** 7/49 **TOEFL:** 96

Personal Honors

Gold Award, China International College Students' Innovation Competition 2025.10

National First Prize, Global Campus Artificial Intelligence Algorithm Elite Competition 2025.11

Second Prize, Asia-Pacific Mathematical Modeling Competition 2024.10

Outstanding Student of Tongji University 2024.9

First Prize, Tongji University Mathematics Competition 2024.5

Research Experience

D-GARA: A Dynamic Evaluation Framework for GUI Agent Robustness

Co-First Author / 2026 AAAI

We proposed and implemented **D-GARA**, a dynamic evaluation framework designed to systematically assess the robustness of Android GUI agents under real-world anomalies (e.g., permission dialogs, low-battery warnings, update prompts). We constructed and annotated a benchmark dataset covering commonly used applications, injecting controllable interruptions into real task workflows. We further designed a context-aware anomaly triggering mechanism and an XML-based target state validator, enabling plug-and-play extensibility to new tasks, anomalies, and scenarios. Through large-scale experiments, we revealed significant performance degradation of various SOTA agents in anomalous conditions, highlighting the necessity of robustness-oriented learning and evaluation.

Project Experience

In-Vehicle Intelligent Agent Interaction System

Core Developer / Gold Award, China International College Students' Innovation Competition

Led the development of an end-to-end pipeline connecting **speech → GUI Agent → in-vehicle control**, which accurately translates natural spoken commands (e.g., navigation, calibration, task dispatching) into stable GUI operations and car system instructions—significantly reducing user onboarding and training costs. Deployed the system on proprietary in-vehicle interfaces, enabling a complete operational loop (command execution → interface navigation → state verification). Integrated and optimized **OmniParser** according to vehicle UI characteristics, enhancing fine-grained un-

derstanding of small icons and status indicators (e.g., air-conditioning levels, mode badges), thereby reducing misrecognition and redundant confirmations.

Xiaoman Intelligent Agriculture Assistant **Project Leader / National First Prize, Global Campus Artificial Intelligence Algorithm Competition**

Led the project from real-world agricultural challenges, analyzing production pain points across the three key stages of **pre-sowing planning, in-season collaboration, and post-harvest management**. Defined the value of AI agents in policy interpretation, crop diagnosis, and price decision-making. Designed an **agent framework with a single master controller and modular Understand, Perceive and Act components**. On the engineering side, integrated real-time retrieval and MCP (policy/weather/market access) with an RAG-based knowledge base and price-monitoring APIs, enabling **traceable sources, auditable conclusions, and executable actions**. This significantly improved the assistant's accuracy and practical usability.