Yuhan Guo (Eohan)

Ph.D Student at Shanghai Jiao Tong University

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scholar.google.com/citations?user=Mm4UkJcAAAAJ

Summary

First-year Ph.D student at Shanghai Jiao Tong University. Research interests include AI Agents, Multimodal Large Language Models (MLLMs), Embodied Intelligence, and Deepfake Detection. Actively seeking academic research collaborations.

Education

Shanghai Jiao Tong University *Shanghai, China*
Ph.D in Computer Science and Technology *Sept 2025 – present*
- Direct Ph.D Program admission without master's degree
- Research Focus: AI Agents, MLLMs, Embodied Intelligence

Central South University *Changsha, China*
B.E. in Computer Science and Technology *Sept 2021 – June 2025*
- Academic Rank: 1/63 (Top 1.6%)
- Advisor: Prof. Xiyao Liu (Research: AIGC & AI Security)
- Provincial Outstanding Graduate of Hunan Province (2025), only 18 recipients

Experience

Research Intern *Singapore*
Hithink Research *Nov 2024 – Mar 2025*
- Advisor: Dr. Yong Dai
- Explored Knowledge-Driven Web Agent research
- Co-authored paper: "Web-CogReasoner: Towards Knowledge-Induced Cognitive Reasoning for Web Agents" (ICLR 2026)

Research Intern *Shanghai, China*
University of Michigan-SJTU Joint Institute *May 2024 – June 2024*
- Explored MLLMs applications in Human-Vehicle Dialogue systems

Publications

Web-CogReasoner: Towards Knowledge-Induced Cognitive Reasoning for Web Agents Jan 2026
A knowledge-induced cognitive reasoning framework for web agents, integrating world knowledge to enhance GUI understanding and action planning.
Yuhan Guo, Cong Guo, Aiwen Sun, Hongliang He, et al.
arxiv.org/abs/2508.01858 (ICLR 2026 (CCF-A))

Multi-Strategy Adversarial Learning for Robust Face Forgery Detection Under Heterogeneous and Composite Attacks July 2024
Xiyao Liu, Fengkai Dong, Xin Liao, *Yuhan Guo*, Jianbiao He, et al.
10.1109/ICME57554.2024.10688131 (ICME 2024 (CCF-B, Oral Paper))

Projects

Web-CogReasoner *Nov 2024 – Mar 2025*

Open-source framework for knowledge-induced cognitive reasoning in web agents

- Proposed a novel knowledge-driven architecture for web agent reasoning
- Released models and datasets on Hugging Face
- Accepted to ICLR 2026
- Project homepage at https://eohan.me/Web-CogReasoner

Deepshield: A Robust Defense Against Deepfake *Jan 2024*

Deepfake detection system using multi-strategy adversarial learning

- Won National Second Prize (Top 6-10%) in National College Student Information Security Competition
- Competed among 852 teams nationwide

Selected Honors

- Provincial Outstanding Graduate of Hunan Province (2025) - Only 18 recipients province-wide
- National Scholarship (2024) - Top 1% of students
- Special Scholarship of Central South University (2024) - Top 1%, only 1 recipient
- National Second Prize, National College Student Information Security Competition (2024) - Top 6-10%
- Outstanding Project & Paper Award, College Student Innovation Project of Hunan Province (2024) - Team Leader
- First Class Scholarship, Central South University (2023) - Top 5%
- Excellent Student & Excellent Student Cadre (2022-2024) - Among 800+ students
- National Scholarship (2022) - Top 1%, only 1 recipient
- First Class Scholarship, Central South University (2022) - Top 5%

Skills

Programming: Python, PyTorch, Git

Research Areas: AI Agents, Web Agents, MLLMs, Embodied Intelligence, Deepfake Detection, Computer Vision

Languages: Chinese (Native), English (Proficient)