

Junjie Yu

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EDUCATION

Shanghai Jiao Tong University

BEng in Artificial Intelligence · Zhiyuan Honors Program

Average Score: 89.18/100 · Rank: 34/98

Sep 2023 – Present
Shanghai, China

PUBLICATIONS

- [AcademiClaw: When Students Set Challenges for AI Agents.](#)

Junjie Yu, Pengrui Lu, Weiye Si, et al. *arXiv preprint*, 2026.

The first academic-level benchmark for OpenClaw sourced directly from undergraduate students, comprising 80 complex tasks across 25+ domains to evaluate academic capabilities and contribute to the OpenClaw community.

- [Speed by Simplicity: A Single-Stream Architecture for Fast Audio-Video Generative Foundation Model.](#) *arXiv preprint*, 2026.

The first open-source foundation model to achieve joint audio-video generation using a pure single-stream Transformer architecture, attaining 80% win rate over Ovi 1.1 and 60.9% over LTX 2.3 in human evaluation, reaching SOTA in open-source audio-video generation.

RESEARCH EXPERIENCE

Research Internship

SJTU & SII – GAIR Lab · Mentor: Pengfei Liu

Dec 2025 – Present
Shanghai, China

- First author & Project leader of [AcademiClaw](#), a benchmark for OpenClaw.
- Participant in [davinci-magihuman](#).
- Built downstream applications based on davinci-magihuman, including digital human meetings and digital human live streaming. [Soon Public]
- Participated in the development of [Wesay](#) (a speech recognition app). [Private Repo]

Research Internship

SJTU – Artificial Intelligence Institute, DeepVision Lab · Mentor: Wei Shen

Mar 2025 – Dec 2025
Shanghai, China

- Conducting research on **MultiModal Large Language Model**.
- Participated in training a GUI recognition model for future GUI Agent (collaborative project with Huawei). Responsible for data synthesis, annotation, and cleaning.
- Conducting research on **visual token pruning** for multimodal models.

PROJECTS

[AcademiClaw](#) | The first academic-level benchmark for OpenClaw sourced from undergraduate students. *Python*

[Paper-RAG](#) | An intent-aware paper recommendation and research assistant powered by RAG. *Python*

[GUI-Project](#) | Data preparation for training a GUI recognition model for future GUI Agent. *Python*

[ViT-on-Image-Classification](#) | ViT on image classification, esp. small-scale datasets (CIFAR-10). *Jupyter Notebook*

HONORS & AWARDS

Zhiyuan Honors Scholarship

Award for top students majoring in science.

2024, 2025

Undergraduate Excellence Scholarship

Awarded to students with outstanding comprehensive evaluation rankings.

2024, 2025

MCM/ICM Honorable Mention

Mathematical Contest in Modeling, administered by COMAP.

2024

RESEARCH INTERESTS

Agent, Multimodal, Large Language Model, AI for Games

Current Focus: Agent & Multimodal

SKILLS

Programming Python, C++

Agent Claude Code, Codex, Cursor, OpenClaw

Tools Git, Linux, L^AT_EX, Docker, PyTorch

Languages Chinese (native), English (fluent)