Ziya Tang

SOFTWARE ENGINEER · SOFTWARE ARCHITECT · AI SCIENTIST

Nanjing Agricultural University Binjiang Campus, Nanjing, China

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Projects

SwarmX
GENERAL PURPOSE MULTI-AGENT SYSTEM FRAMEWORK

○ tcztzy/swarmx
November 2024 - Present

- Multi-agent system framework forked from openai/swarm
- SwarmX is agent & workflow
- Swarm can be recursively included as agent in other swarms
- Swarm can be dynamically created by existing swarm

AI4S
AI SYSTEM FOR SCIENTIFIC RESEARCH

○ tcztzy/ai4s
May 2024 - Present

- AI-driven scientific research system with literature, idea, experiment, data visualization and paper writing

Omni WebUI
WEB-BASED UI FOR CHATBOTS

○ omni-webui/omni-webui
December 2024 - Present

- AI-driven development chatbot web ui

FastOAI
OPENAI-COMPATIBLE API SERVER WITH MULTIPLE PROVIDERS

○ tcztzy/fastoai
July 2024 - Present

- OpenAI-compatible API Server with multiple providers
- Implemented Assistant API over chat completion api

Jupymcp
MODEL CONTEXT PROTOCOL SERVER FOR JUPYTER

○ tcztzy/jupymcp
May 2025 - Present

- Model context protocol server for interacting with Jupyter notebook
- Make LLM reach real data analysis procedure

Experience

Senior Software Engineer
IFLYTEK

Hefei, China
Match 2017 - Match 2018

Full stack development of big data platform

Support Engineer
MICROSOFT

Wuxi, China
Match 2016 - Match 2017

Technical support for Microsoft Azure

Software Engineer
ZETTAGE

Nanjing, China
Match 2015 - Match 2016

Full stack development of PaaS for scientific computing

Skills

Languages	**Python**, **Rust**, **C++**, CUDA, TypeScript
Spoken Languages	**English**, **Mandarin**, Spanish
Biology related	**CRISPR Primer Design**, **Crop Growth Simulation**, **Population Genetics**, Explainable AI

Education

Northwest A&F University
B.S. IN AGRICULTURE

Yangling, China
August 2010 - May 2014

Tarim University
M.S. IN ENGINEERING

Alaer, China
September 2019 - June 2022

Nanjing Agricultural University
PHD STUDENT IN ENGINEERING

Nanjing, China
September 2022 - present