

Ziya Tang

SOFTWARE ENGINEER · SOFTWARE ARCHITECT · AI SCIENTIST

Nanjing Agricultural University Binjiang Campus, Nanjing, China

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Experience

Senior Software Engineer

IFLYTEK

Full stack development of [big data platform](#)

Hefei, China

Match 2017 - Match 2018

Support Engineer

MICROSOFT

Technical support for Microsoft Azure

Wuxi, China

Match 2016 - Match 2017

Software Engineer

ZETTAGE

Full stack development of PaaS for scientific computing

Nanjing, China

Match 2015 - Match 2016

Projects

Cotton2K

COTTON SIMULATION MODEL IN ARID REGIONS (REWRITE IN RUST)

🌐 [tcztzy/cotton2k](#)

November 2020 - Present

SwarmX

GENERAL PURPOSE MULTI-AGENT SYSTEM FRAMEWORK

🌐 [tcztzy/swarmx](#)

November 2024 - Present

Omni WebUI

WEB-BASED UI FOR CHATBOTS

🌐 [omni-webui/omni-webui](#)

December 2024 - Present

FastOAI

OPENAI-COMPATIBLE API SERVER WITH MULTIPLE PROVIDERS

🌐 [tcztzy/fastoai](#)

July 2024 - Present

Jupymcp

MODEL CONTEXT PROTOCOL SERVER FOR JUPYTER

🌐 [tcztzy/jupymcp](#)

May 2025 - Present

Skills

Languages Python, Rust, C++, Go, CUDA, TypeScript

Spoken Languages English, Mandarin, Spanish

LLM Open WebUI (contributor), Ollama, vllm, SGLang, LangChain & LangGraph, RAG

Vector database Chroma, pgvector, sqlite-vec, LlamaIndex

DevOps Kubernetes, Docker Swarm, GitHub Action, Ansible

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