**Zhenyu Zhang**

Phone: +1 (860) 234-7101 | Email: <Zhang.zhenyu6@northeastern.edu> | [Linkedin Profile](http://www.linkedin.com/in/振宇-张-7856b0332) | [Github](https://github.com/zzy0816)**Career Goal**

Applied Machine Intelligence with solid experience in Machine learning, Data Analysis, software development, and **LLM**. Seeking roles in those and others **AI**-related fields.**Education**

*Northeastern University* **| Master of Professional Study** in Applied Machine Intelligence | Boston, MA | April 2025 | GPA: 3.9/4.0

*University of Connecticut* | Bachelor of Art *|* Storrs, CT | May 2022**Skills**

Languages & Tools: Python, SQL, Tableau

Frameworks & Libraries: TensorFlow, Pytorch, Scikit-learn, Pandas, NumPy, Seaborn, **Langchain**

Platforms & Tech: **Ollama**, **Hugging Face**

**Professional Experience**

*Yangtze River Consulting Service LLC* ***|*** *Ethical Consultant | Piscataway Township, NJ | Sep 2022 – Jul 2023*

* Built a QA system with Transformer, improving automated question answering accuracy.
* Built and deployed app for NGO to auto-publish messages via AWS, boosting engagement 20%.
* Led COVID-19 time series and survey data analysis, focusing on cleaning, EDA, and modeling.

**Industry Experience**

*New York Technology & Management LLC | Programming Manager | New York, NY | May 2025 – Present*

* Built React agent with **LangChain** tool-calling to automate internal tool, reducing manual work.
* Created a token counter in Ollama to efficiently track and manage token usage.
* Built multi-agent system for sales and after-sales, streamlining communication and task flow.
* Used Ollama to analyze files and generate PowerPoint reports, improving reporting workflows.
* Built a LangChain agent to automate Gmail email tracking and improve communication.
* Fine-tuned and quantized Hugging Face model on custom data for optimized, faster inference.

**Projects**

Flower Market Assistant

* Built flower **AI assistant** to answer inquiries, boosting online sales and reducing workload.
* Built Ollama-based chatbot with memory, vector DB(FAISS), with LangChain and Flask.
* Increased online orders by **10%** and reduced manual customer service workload by **40%**.
* Sourced Code available on GitHub: [Flower-Market-Assistant](https://github.com/zzy0816/Flower-Market-Assistant)

Crypto Predicted and Analysis with Vester AI

* Built a Crypto analysis tool with **transformer model and LLM** for Realtime market prediction.
* Collected Bitfinex API data, trained transformer model with historical data, added vector database.
* Using metal model to stack transformer model and sentiment model to get **84% accuracy**.