

Wentao Li

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EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science in Computer Engineering

US

July. 2022 – Present

Zhejiang University

Bachelor of Engineering in Electronic and Computer Engineering

China

July. 2022 – Present

EXPERIENCE

Natural Language to SQL Research

Undergraduate Researcher supervised by Prof. Gang Chen from ZJU

June 2024 – Sep. 2024

Zhejiang, China

- Designed a new pipeline with fine-tuning, prompting, SQL-generating and revision.
- The new pipeline reaches an accuracy of 52% on the benchmark.
- Used VLLM to deploy the LLM and applied the LangChain framework to train models.

Sports Videos Analysis Research

Undergraduate Researcher supervised by Prof. Gaoang Wang from ZJU

May 2023 – Sep. 2023

Zhejiang, China

- Preprocessed different datasets according to the experimental requirements to realize the interoperability of dataset formats.
- Designed a new sports videos analysis system base on computer vision technique to recognize the action.
- Use MAction2 framework to train models in an unsupervised way.

RHET 101 Writing Assistant

Worked for Prof. John P. Maclean from UIUC

Sep. 2023 – Jan. 2024

Zhejiang, China

- Guided students in writing course essays.
- Conducted weekly meetings to assist students in understanding course content.

PROJECTS

RoutiBlock | *SwiftUI, UIKit*

August 2024 – Sep. 2024

- Developed a time management app.
- Released to Apple App Store.

House Pricing Estimation | *Python, pandas*

Oct. 2024 – Dec. 2024

- Developed a full-stack application to estimate house prices in the U.S.
- Implemented a new way to combine the nearby universities' ranking into the estimation

Warrior | *Unreal Engine 5*

Sep. 2024 – Dec. 2024

- Developed a third person shooting game.

SKILLS

Languages: Python, C/C++, CUDA, SQL (Postgres), Swift, RISC-V, HTML/CSS, R

Frameworks: Pytorch, Huggingface, React, Node.js, SwiftUI, UIKit, LangChain,

Developer Tools: Git, MySQL, Google Cloud Platform, VS Code, Visual Studio, PyCharm, LaTeX, Unreal Engine 5

Libraries: pandas, NumPy, Matplotlib

Languages: English (Professional), Mandarin (Native)