

Shuwen Liu (Lancaster Liu)

Contact Information	Email: lancster_liu@126.com Github: https://github.com/LancasterLiu	
Research Interest	Vision-Language Models, AI for Healthcare, LLM-based Agent, Human-centred AI, Prompt Optimization	
Education	Chongqing University , Chongqing, China <i>Bachelor of Engineering, Computer Science, June 2024</i> <i>Weighted Average Score: 85.7</i>	
	University of California, Berkeley , CA, USA <i>Visiting undergraduate student, May 2024</i>	
	Career International , Xi'an, China <i>SDE, Algorithm</i>	September 2024 - October 2025
	A) Built the company's own datasets, refine the model structure, train the model, and adapt it to the <i>Huawei visions</i> , including the ReID model, the Keypoint Detection model. B) Supported the company's own color transfer learning model for <i>Pura 80 series</i> , including problem analysis, dataset building and model training and fine-tuning.	
	Chongqing University , Chongqing, China <i>Research Assistant</i>	June 2024 - September 2024
Professional Experience	Ai-assisted translation of Buddhist scriptures	May 2024 - July 2024
	Collected Chinese and English Buddhist scriptures, cleaned and reorganized data to fit our translation model. More details could be found on <i>Github</i> .	
	Multi-modal Emotion Recognition	December 2023 - June 2024
	A) Deployed the developed algorithm. B) Designed and implemented a multi-modal sentiment analysis system that integrates speech, video, and text recognition services.	
	National Customs Intelligent Risk Decision-Making System	June 2021 - June 2024
	This is a subtask of <i>National Natural Science Foundation Project</i> . Helped our team apply for a patent and a software copyright through designing and improving the algorithms, such as image recognition, information correction and other algorithms, as well as through software development.	

China Mobile, Remote, China

Research Intern

July 2023 - August 2023

- A) Assisted in implementing a text-image retrieval system based on the multi-modal large model CLIP.
- B) Contributed to system design, integration, and performance optimization.

Pretrained LLM Sentiment Analysis

December 2022 - January 2023

Employed a Large Language Model to assess the sentiment similarity, thereby providing an alternative to manual annotation to reduce manual labeling costs based on a *Large Language Model* through refining the prompts.

Chinasoft International, Chongqing, China

SDE Intern, Front End

June 2022 - July 2022

- A) Helped the team develop a mobile application for Android using Vue.
- B) Conducted market research, designed prototypes, and contributed to programming tasks.
- C) Applied Scrum methodology and professional project management practices to support enterprise-level development

Gongzhuo WeChat Mini Program

April 2022 - June 2022

- A) Designed and implemented a team collaboration WeChat mini program as a back-end software engineer.
- B) Responsible for the Note module interface and database design.

Honors & Awards

2023: *Chongqing University Outstanding Graduate Student, Mathematical Contest in Modelling Meritorious Winner, Leslie Lok Scholarship*
2022: *National Encouragement Scholarship, Advanced Individual in Chongqing Spiritual Civilization*
2021: *Chongqing University Outstanding Student, Tianti coding Contest Second prize, Competition Contemporary Undergraduate Mathematical Contest in Modeling Second prize, Philip K.H. Wong Scholarship*

Teaching Experience

Chongqing University, Chongqing, China

Peer Lecturer

October 2022 - June 2023

Served as a peer lecturer in high-achieving students' studio, primarily focusing on algorithms and programming languages, such as Python and C++.

Skills

- **Programming Languages:** Python, C/C++, Vue, Java and JavaScript.
- **Soft Skills:** self-motivated, curious, teamwork spirit, turn feedback to action