

Li Lin

Ookayama, Meguro-ku
Tokyo, Japan

Github: github.com/XHLin-gamer
Mail: xhaughearl@gmail.com

Education

Institute of Science Tokyo	04/2025 – Present
<i>Master in the School of Computer Science (M1)</i>	<i>Tokyo, Japan</i>
Shanghai University	09/2020 – 03/2025
<i>Bachelor in the School of Computer Engineering and Science</i>	<i>Shanghai, China</i>
Chiba University	09/2022 – 02/2023
<i>Exchange Program, J-PAC International Liberal Arts Program</i>	<i>Chiba, Japan</i>

Research

Watermarks for Large Language Model	03/2024 – Present
<i>Supervised by Prof. Yang Cao, Trustworthy Data Science and AI Lab</i>	
<ul style="list-style-type: none">Investigated watermark injection techniques for retrieval-augmented large language models (LLMs), developing a framework to improve model security and traceability.Introduced a novel sampler to enhance code generation, achieving +12.70% over baseline.	
Human Motion Prediction	03/2023 – 01/2024
<i>Supervised by Prof. Xiaoqiang Li, Machine Vision Laboratory</i>	
<ul style="list-style-type: none">Applied wavelet transforms to unleash the hidden pattern, achieved new SOTA performance.Introduce a novel module named 2D Haar Block, surpass old SOTA by 1.2% at maximum.	
Heart Attack Prediction	09/2023 – 12/2023
<i>Supervised by Prof. Fenglei Yang, Advanced Seminar of Cutting-Edge Artificial Intelligence</i>	
<ul style="list-style-type: none">Developed a deep learning framework to predict heartrisk from heartbeat signals.Streamlining a solution by comparing with different models demonstrates predictive accuracy at 96%.	

Project

Lead Programmer	11/2023 – 12/2023
<i>Dodgeball Computer Vision Computation Sponsered by NS Solution</i>	
<ul style="list-style-type: none">Implemented a system using OpenCV to analyze player motion and identify competitors.Developed an asynchronous API to upload results real-time, eliminating bottlenecks.	
Open Source Contributor	11/2023 – 12/2023
<i>Multilingual real-time machine translation tool, Misaka Translator</i>	
<ul style="list-style-type: none">Added a furigana reading aid using MeCab to help beginners learn Kanji.Enhanced the user interface and readability by applying text shadows with WPF in C#.	
Volunteering Technical Support	09/2020 – 08/2024
<i>Shanghai University</i>	
<ul style="list-style-type: none">Assisted international faculty with computer system, campus network and proxy issues.Contribute to the automatic network connection script for homebrew servers.Participate the API testing for the new reservation system at Library of Shanghai University.	

Specialized Skills

Programming Languages: Python(Advanced), C/C++/C#(intermediate), Matlab (intermediate)
ML Libraries: PyTorch, OpenCV, Pytorch, Pandas, Keras, Scikit-learn
High Performance Libraries: OpenACC, CUDA, Taichi, pyspark
Web Dev: Flask, HTML5, Vue **Other tools:** \LaTeX , WSL, SSH, Git, Unity, PS, PR, AE, Office
Languages : English - TOEFL 103/120, 日本語 - JLPT N1 177/180