


LW

# Liang Wei

M.S. Computer Science Applicant —  
Specialization in Machine Learning

## Contact Details

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 Chicago, IL

 [LinkedIn](#)

## Education

● **B.S. Computer Science —  
GPA: 3.95 / 4.00 | Dean's  
List (all semesters)**  
University of Illinois Chicago  
Aug 2021 - May 2025 (Expected)

● **High School Diploma —  
National College Entrance  
Exam (Gaokao) Top 0.3%**  
Chengdu Foreign Languages  
School  
Sep 2018 - Jun 2021

## Skills

Python (PyTorch, TensorFlow, scikit-learn, HuggingFace)

## Summary

Final-year Computer Science undergraduate at University of Illinois Chicago with a 3.95 GPA, applying to M.S./Ph.D. programs in Machine Learning and Computer Vision. First-author conference publication at CVPR 2024 Workshop. Three years of research experience in deep learning and medical image segmentation.

## Experiences

**Undergraduate Research Associate,  
UIC Vision & Learning Lab**  
May 2023 - Present Chicago, IL

- Designed a transformer-based model for retinal OCT image segmentation, improving mIoU by 7.2% over baseline
- First-author paper accepted at CVPR 2024 Workshop on Medical Image Analysis
- Managed a shared GPU cluster (4x A100) and maintained team's PyTorch training pipelines

**Machine Learning Intern, Tempus AI**  
Jun 2024 - Aug 2024 Chicago, IL

- Built a clinical NLP pipeline (BioBERT fine-tuning) to extract oncology biomarkers from free-text reports

Computer Vision & Image Segmentation

Natural Language Processing (BERT, GPT fine-tuning)

C++ & CUDA (GPU programming)

SQL & MongoDB

Docker & Kubernetes

LaTeX (academic writing)

Git & CI/CD Pipelines

- Reduced manual annotation time by 40% across a dataset of 12,000+ patient records
- Presented results to cross-functional team of 15 engineers and clinical data scientists

## **Teaching Assistant — Data Structures & Algorithms, UIC Department of Computer Science**

Jan 2023 - Dec 2023 Chicago, IL

- Held weekly office hours for 120+ students; graded assignments and exams
- Redesigned two lab exercises to improve average assignment scores by 15%

[Website](#) [LinkedIn](#) [GitHub](#)