

YE CHEN

<https://utokyochenye.github.io/>

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EDUCATION

- The University of Tokyo** Tokyo, Japan
• *Master of Science* Oct. 2022 – Sep. 2025
Laboratory of Large-Scale Bioinformatics - Graduate School of Frontier Sciences
- Waseda University** Kitakyushu, Japan
• *Master of Engineering* Oct. 2020 – Sep. 2022
Data Engineering Laboratory - Graduate School of Information, Production and Systems
- Beijing Institute of Technology** Beijing, China
• *Bachelor of Engineering in Electronic Information Engineering* Sep. 2017 – Aug. 2021
School of Information and Electronics

INTERNSHIP

- RIKEN** Tokyo, Japan
• *Research Intern, High Performance Artificial Intelligence Systems Research Team* May. 2025 – Sep. 2025
 - **Vision Transformer Efficiency:** Research on efficient Vision Transformer (ViT) architectures for high-performance AI systems.
 - **TensorRT-LLM:** Surveyed and evaluated the TensorRT-LLM framework for large language model acceleration.
- Huawei** Tokyo, Japan
• *AI Engineer, Camera Algorithm Team, Tokyo Research Center* Dec. 2024 – Nov. 2025
 - **ISP Paper Reproduction:** Reproduced state-of-the-art deep learning based ISP (Image Signal Processing) research papers.
 - **Efficient ISP Models:** Developed efficient deep learning based ISP models for mobile phone cameras.
- OPPO** Yokohama, Japan
• *AI Engineer, MLSys Team, Japan Research Center* Feb. 2024 – May 2024
 - **Model Deployment Survey:** Surveyed the latest model deployment and compression tools from Qualcomm and MediaTek platforms.
 - **Model Compression:** Reproduced research papers related to model compression and efficient inference.
- Baidu** Beijing, China
• *Algorithm Engineer, Search Engine Department* Apr. 2023 – Aug. 2023
 - **GBDT Ranking:** Trained GBDT models to improve search ranking performance.
 - **Search Strategy Development:** Developed search ranking strategies using C++.

PUBLICATIONS

- **A Light-weight Universal Medical Segmentation Network for Laptops Based on Knowledge Distillation:**
CVPR 2024 Workshop: Segment Anything in Medical Images on Laptop-Global Top 5
- **LLM マルチエージェント間の相互作用の分析:**
言語処理学会第 31 回年次大会 (NLP2025)
- **The Statistics of Parametrized Syncmers in a Simple Mutation Process without Spurious Matches:**
Journal of Computational Biology

SKILLS

- **Languages:** Chinese(Native), English(Business Level, TOEIC:885), Japanese(Business Level, N1)
- **Programming Languages:** Python, C/C++
- **AI Technologies:** Pytorch, XGBoost, TensorRT-LLM, CUDA programming
- **Tools:** Linux, Git, GDB, CMake, Docker