Yiming Lu

Emory University
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Education

Emory University
Ph.D., CS, Aug. 2023 - Present   GPA: 4.0/4.0
Advisor: Fei Liu

Tsinghua University
B.E., Automation, Aug. 2019 - July 2023   GPA: 3.5/4.0

Publications

iSMOD: an integrative browser for image-based single-cell multi-omics data   *Nucleic Acids Research*, 2023
Weihang Zhang, Jinli Suo, Yan Yan, Runzhao Yang, **Yiming Lu**, Yiqi Jin, Shuochen Gao, Shao Li, Juntao Gao, Michael Zhang, Qionghai Dai

Preprints

STRUX: An LLM for Decision-Making with Structured Explanations   *Under Review*
Yiming Lu, Yebowen Hu, Hassan Foroosh, Wei Jin, Fei Liu

Research

Instant NGP and Drone Swarm
Tsinghua BBNC Laboratory   Jan. 2022 - May 2022
Developed drone system with CUDA-Python, real-time NeRF rendering

HCA-SCI System Development
Tsinghua BBNC Laboratory   Jan. 2022
Built dynamic LCoS system achieving 4.6G voxels/s throughput

Gigapixel Video System
Student Research Project   Apr. 2021 - Jul. 2021
Implemented super-resolution networks based on CVPR/ICCV papers

Teaching

Teaching Assistant, CS 571: Natural Language Processing
Emory University   Spring 2024 & Fall 2024

Awards

National Engineering Practice Competition   Nov. 2021
Excellent Achievement Award, Ministry of Education

Hardware Design Competition   Sep. 2020
Third Prize, School Level Science and Technology Competition

Skills

Programming: Python(PyTorch, Scikit-learn, etc.), C/C++, LaTex, MATLAB
Interests: Piano, Classical Music, Swimming