

Tianye (Jerry) Ding
Curriculum Vitae

PERSONAL INFORMATION

Address: Boston, MA
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Homepage: jerrycding.github.io
GitHub: <https://github.com/JerryGCDing>
Google Scholar: <https://scholar.google.com/citations?user=-hFUtCcAAAAJ>

EDUCATION

B.S., Computer Science 09/2020 - 04/2024
Khoury College of Computer Sciences, Northeastern University

EXPERIENCE

Research Assistant 01/2023 - Present
Visual Intelligence Lab at Northeastern, Northeastern University
Conduct computer vision research works under the supervision of Professor Huaizu Jiang.

Machine Learning Research Engineer Intern 08/2022 - 12/2022
Deep Ivy Inc.
Develop and maintain open-source unified machine learning framework Ivy.
Project repository: github.com/unifyai/ivy

PUBLICATIONS

* or † represents equal contribution or equal advising, depending on the roles of the authors.

Preprints

Tianye Ding*, Yiming Xie*, Yiqing Liang*, and Moitreyra Chatterjee, Pedro Miraldo, Huaizu Jiang
LASER: Layer-wise Scale Alignment for Training-Free Streaming 4D Reconstruction
arXiv, 2025.

Publications

Fangrui Zhu*, Hanhui Wang*, Yiming Xie, Jing Gu, **Tianye Ding**, Jianwei Yang, Huaizu Jiang
Struct2D: A Perception-Guided Framework for Spatial Reasoning in MLLMs
Neural Information Processing Systems (NeurIPS), 2025.

Tianye Ding*, Hongyu Li*, Huaizu Jiang
ODTFormer: Efficient Obstacle Detection and Tracking with Stereo Cameras Based on Transformer
IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS**), 2024.
Project homepage: jerrycding.github.io/odtformer

PRESENTATIONS

Tianye Ding, Hongyu Li, and Huaizu Jiang
ODTFormer: Efficient Obstacle Detection and Tracking with Stereo Cameras Based on Transformer
Spotlight Presentation at IROS 2024 Workshop on Planning, Perception and Navigation for Intelligent Vehicles,
Abu Dhabi, UAE, October 2024.

AWARDS AND HONORS

Magna Cum Laude
04/2024

Northeastern University

Dean's List

2021 - 2023

Northeastern University

TEACHING EXPERIENCE

CS 2510 Fundamentals of Computer Science II

01/2022 - 05/2022

Teaching Assistant

Khoury College of Computer Sciences, Northeastern University

SKILLS

Languages

Python | Java | C++ | C | LaTeX | MySQL

Libraries

PyTorch | NumPy | TensorFlow | OpenCV | OpenGL

Systems

Windows | Linux | macOS

Applications

Git | Slurm | JetBrains Suite | Adobe Creative Suite