

Zeyuan Yang

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EDUCATION

University of Massachusetts, Amherst, USA Aug 2024 - Present

Ph.D. student in Computer Science

Advisors: Chuang Gan, Hao Zhang

Research Interests: Embodied Intelligence, Multi-modal Foundation Models, World Models

Tsinghua University, Beijing, China Sep 2021 - July 2024

M.S. in Computer Science

Advisor: Yang Liu

Research Interests: Natural Language Processing, Continual Learning

Tsinghua University, Beijing, China Sep 2017 - July 2021

B.S. in Information Management, minor in Data Science

Major GPA: 3.63/4.0 (Rank 4/29)

Thesis Advisor: Qing Ye

PUBLICATIONS (Google Scholar, * denotes equal contribution.)

- [9] VCA: Video Curious Agent for Long Video Understanding
Zeyuan Yang, Delin Chen, Xueyang Yu, Maohao Shen, Chuang Gan
Under Review
- [8] UBSOft: A Simulation Platform for Robotic Skill Learning in Unbounded Soft Environments
Chunru Lin, Jugang Fan, Yian Wang, **Zeyuan Yang**, Zhehuan Chen, Lixing Fang, Tsun-Hsuan Wang, Zhou Xian, Chuang Gan
CoRL, 2024
- [7] Rethinking Long Context Generation from the Continual Learning Perspective
Zeyuan Yang, Fangzhou Xiong, Peng Li and Yang Liu
COLING, 2025
- [6] Towards Unified Alignment Between Agents, Humans, and Environment
Zonghan Yang, An Liu, Zijun Liu, Kaiming Liu, Fangzhou Xiong, Yile Wang, **Zeyuan Yang**, Qingyuan Hu, Xinrui Chen, Zhenhe Zhang, Fuwen Luo, Zhicheng Guo, Peng Li, Yang Liu
ICML, 2024
- [5] Reflective and Imaginative Language Agent for Zero-Shot Semantic Audio-Visual Navigation
Zeyuan Yang*, Jiageng Liu*, Peihao Chen, Anoop Cherian, Tim Marks, Jonathan Le Roux, Chuang Gan
CVPR, 2024
- [4] Failures Pave the Way: Enhancing Large Language Models through Tuning-free Rule Accumulation
Zeyuan Yang, Peng Li, Yang Liu
EMNLP, 2023
- [3] Restricted Orthogonal Gradient Projection for Continual Learning
Zeyuan Yang, Zonghan Yang, Yichen Liu, Peng Li, Yang Liu
AI Open, 2023

[2] Dynamic Multi-Branch Layers for On-Device Neural Machine Translation
 Zhixing Tan, **Zeyuan Yang**, Meng Zhang, Qun Liu, Maosong Sun, Yang Liu
IEEE/ACM Transactions on Audio, Speech, and Language Processing, 2022

[1] Exploring deep learning for air pollutant emission estimation
 Lin Huang, Song Liu, **Zeyuan Yang**, Jia Xing, Jia Zhang, Jiang Bian, Siwei Li, Shovan Kumar Sahu,
 Shuxiao Wang, Tie-Yan Liu
Geoscientific Model Development, 2021

EMPLOYMENT

- University of Massachusetts, Amherst** *Aug 2024 - Present*
 Research Assistant, Supervisors: Chuang Gan, Hao Zhang Amherst, USA
 🎧 Multi-modal Foundation Models and Embodied Intelligence
- Zhiyuan Innovation Technology Co., Ltd.** *Jan 2024 - Aug 2024*
 Research Intern, Agibot Lab, Supervisor: Hao Dong Beijing, China
 🤖 Humanoid Robotics
- Tsinghua University** *Aug 2021 - July 2024*
 Research Assistant, Supervisors: Yang Liu, Peng Li Beijing, China
 🗣️ Large Language Agents and Continual Learning
- Beijing RealAI Technology** *Jan 2021 - Jun 2021*
 Research Intern, Mentor: Shizhen Xu
 🔒 Model Safety
- Microsoft Research Asia** *Jun 2020 - Dec 2020*
 Research Intern, Mentor: Lin Huang
 🤝 AI for Science

HONORS AND AWARDS

- 2021. Excellent Graduate of Tsinghua University
- 2020. Evergrand Scholar (Academic Excellence)
- 2019. Comprehensive Excellence Scholarship

TEACHING EXPERIENCE

- Objected Oriented Programming**, University of Massachusetts, Amherst Fall 2024
 Teaching Assistant, Instructor: Jaime Davila
- Academic Rising Star Program**, Tsinghua University Fall 2023
 Supervisor (Foundation Models), Department of Computer Science