

Tian Yun

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EDUCATION

Brown University

Doctor of Philosophy in Computer Science

Providence, RI

September 2022 - May 2026 (Expected)

Brown University

Master of Science in Computer Science

Providence, RI

August 2020 - May 2022

Wake Forest University

Bachelor of Science in Mathematical Statistics

Winston-Salem, NC

Honors Bachelor of Science in Computer Science

August 2016 - May 2020

PUBLICATIONS

- [1] *How Do Vision-Language Models Process Conflicting Information Across Modalities?*
Tianze Hua*, **Tian Yun***, Ellie Pavlick
Under Review
- [2] *What is an "Abstract Reasoner"? Revisiting Experiments and Arguments about Large Language Models*
Tian Yun, Ellie Pavlick, Chen Sun
Under Review
- [3] *Multimodal In-Context Learning Needs Task Mapping*
Yanshu Li, **Tian Yun**, Jinfa Huang, Ruixiang Tang
Under Review
- [4] *\$100K or 100 days: Trade-offs when Pre-Training with Academic Resources*
Apoorv Khandelwal, **Tian Yun**, Nihal V. Nayak, Jack Merullo, Stephen H. Bach, Chen Sun, Ellie Pavlick
Under Review
- [5] *Pre-trained Vision-Language Models Learn Discoverable Visual Concepts*
Yuan Zang, **Tian Yun**, Hao Tan, Trung Bui, Chen Sun
TMLR 2025
- [6] *mOthello: When Do Cross-Lingual Representation Alignment and Cross-Lingual Transfer Emerge in Multilingual*
Tianze Hua*, **Tian Yun***, Ellie Pavlick
NAACL 2024
- [7] *Emergence of Grounded Representations in Embodied Sequence Modeling*
Tian Yun*, Zilai Zeng*, Kunal Handa, Ashish Thapliyal, Bo Pang, Ellie Pavlick, Chen Sun
EMNLP 2023
- [8] *Improved Inference of Human Intent by Combining Plan Recognition and Language Feedback*
Ibrahim Idrees, **Tian Yun**, Naveen Sharma, Nakul Gopalan, Stefanie Tellex, George Konidaris
IROS 2023
- [9] *Do Vision-Language Pretrained Models Learn Primitive Concepts?*
Tian Yun, Usha Bhalla, Ellie Pavlick, Chen Sun

[10] *Does Vision-and-Language Pretraining Improve Lexical Grounding?*

Tian Yun, Chen Sun, Ellie Pavlick
Findings of EMNLP, 2021

[11] *Mining Biomedical Texts for Pediatric Information*

Tian Yun, Deepti Garg, Natalia Khuri
14th International Joint Conference on Biomedical Engineering Systems and Technologies, 2021

PREPRINTS

[12] *BLOOM: A 176B-Parameter Open-Access Multilingual Language Model*

Teven Scao et al.
arXiv preprint arXiv:2211.05100 (2022)

PROFESSIONAL EXPERIENCE

Meta Menlo Park, CA
Researcher Scientist Intern, Advised by Hengduo Li June 2025 – October 2025

Google Mountain View, CA
Student Researcher, Advised by Bo Pang and Ashish Thapliyal June 2022 – August 2022

RESEARCH EXPERIENCE

LUNAR Lab & PALM Lab, Brown University Providence, RI
Co-advised by Ellie Pavlick and Chen Sun August 2020 – Present

Humans to Robots Lab, Brown University Providence, RI
Advised by Stefanie Tellex March 2021 – December 2023

BigScience Workshop, HuggingFace Providence, RI
Advised by Ellie Pavlick May 2021 – Aug 2022

DataMine Research Group, Wake Forest University Winston-Salem, NC
Advised by Natalia Khuri August 2019 – August 2020

TEACHING ASSISTANTSHIPS

CSCI-1470/2470: Deep Learning, Brown University September 2021 – December 2021
Teaching Assistant Instructor: Chen Sun

CSCI-1460: Computational Linguistics, Brown University January 2021 – April 2021
Teaching Assistant Instructor: Eugene Charniak

Computer Science Peer Tutor, Wake Forest University September 2017 – May 2020

SERVICE (*outstanding reviewer)

Conference Reviewer

- AAAI Conference on Artificial Intelligence (AAAI) 2025
- ACL Rolling Review (ARR) 2024, 2025
- Computer Vision and Pattern Recognition (CVPR) 2022, 2023, 2024, 2025
- European Conference on Computer Vision (ECCV) 2022, 2024
- International Conference on Computer Vision (ICCV) 2023*
- Neural Information Processing Systems Foundation (NeurIPS) 2025

