Enyan Zhang

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EDUCATION	**Yale University**, New Haven, CT	
	Ph.D. Computer Science	2024–Present
	Brown University, Providence, RI	
	Sc.B. Applied Mathematics-Computer Science, A.B. Engineering	2022–2024
	Rutgers University, New Brunswick, NJ	
	B.S. Mechanical Engineering, Statistics (transferred)	2020–2022

PUBLICATION   **Zhang Enyan**, Michael A. Lepori, & Ellie Pavlick (2023). *Instilling Inductive Biases with Subnetworks*, **Preprint, under review**, (arXiv)

RESEARCH EXPERIENCE	**Language Understanding and Representation Lab, Brown University**	
	Undergraduate Research Assistant	Feb 2023–May 2024
	Data Science Institute, Brown University	
	Research Assistant under UTRA award	Jun 2023–Dec 2023
	Department of Statistics, Rutgers University	
	Research Assistant	Jun 2021–Jul 2021

AWARDS	**Karen T. Romer Undergraduate Teaching & Research Award (UTRA)**	
	Brown University	Aug 2023
	Awarded $1200 to support work on project "Semantically Richer Word Embeddings"	
	Dean's List	
	Rutgers University	2020-2022
	All semesters	

TEACHING	**CSCI 1470, Deep Learning**	
	Undergraduate Teaching Assistant	Spring 2024
	APMA 1740, Recent Applications of Probability & Statistics	
	Undergraduate Teaching Assistant	Spring 2024
	CSCI 1450, Advanced Intro to Probability for Computing & Data Science	
	Undergraduate Teaching Assistant	Fall 2023

WORK EXPERIENCE	**Trumpf Photonics Inc.**, Cranbury, NJ	
	Mechanical Design Intern	Jun 2022-Aug 2022

OTHER PROJECTS   **Robust Fine-tuning of Language Models**
Brown University   Oct 2023-Dec 2023
- Investigated adversarial attack and defense on language model fine-tuning by ϵ-corruption of training data. Technical Report available at following link

CLIP-based Object Sorting with Spot

Brown University   Apr 2023-May 2023

- Developed a real-time pipeline for Boston Dynamic's Spot quadruped robot for zero-shot object sorting. Technical Report available at following link

SKILLS

Programming Languages & Softwares

Python, R, Matlab, C/C++, Solidworks, Abaqus, Cadence Virtuoso

Packages & Frameworks

Pytorch, Tensorflow, Huggingface Transformers, Scikit-learn, Numpy, Pandas

Systems & Tools

Linux (bash, SLURM), Git, Jupyter Notebook, Markdown, LaTeX