RYLAN SCHAEFFER

Skills

Languages Python R Go MATLAB C/C++

Libraries

PyTorch NumPy Pandas SciPy HuggingFace TensorFlow Jax

DB & Querying

Postgres Presto Hive MySQL SQLite

OS

Linux macOS Windows

Cognitive

Neuroscience DataJoint SPM Amazon MTurk Gorilla

Contact

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Education	
Stanford University Computer Science PhD (4.0 GPA); CS 25 Transformers Course Co-	Sep 2021 - Present Instructor
Harvard University Computational Science & Engineering MS (4.0 GPA)	Sep 2019 - Dec 202
University College London Cognitive Neuroscience MRes (Distinction = British 4.0 GPA)	Sep 2017 - Sep 201
University of California, Davis Computer Science Engineering BS & Computational Statistics BS	Sep 2011 - Jun 201
Publications	
Schaeffer, et al. Are Emergent Abilities of Large Language Model (Oral).	s a Mirage? NeurIPS 202
Schaeffer*, Khona*, et al. Self-Supervised Learning of Represent Multi-Modular Grid Cells. NeurIPS 2023.	ations for Space Generat
<i>Schaeffer</i> , et al. Divergence at the Interpolation Threshold: Identify the Sources of a Deep Learning Puzzle. Under Review @ ICLR 20	
Schaeffer, et al. Variance Reduction for Large Language Model Eva	luations. In Prep.
Schaeffer, et al. Correlating and Predicting Human Evaluations of	Language Models. In Pre p
Schaeffer, et al. An Information-Theoretic Understanding of Maxim resentations. In Prep.	um Manifold Capacity Re
Schaeffer, et al. Infinite Associative Memory Models. In Prep.	
Schaeffer, et al. Testing Assumptions Underlying a Unified Theory In Prep.	for the Origin of Grid Cel
Schaeffer, et al. Beyond Expectations: Model-Driven Amplification Feedback Loops. In Prep.	n of Dataset Biases in Da
Bricken, Schaeffer, et al. Emergence of Sparse Representations from	n Noise. ICML 2023.
Schaeffer, et al. Invalid Logic, Equivalent Gains: The Bizarreness Model Prompting. ICML 2023 Workshop: Knowledge & Logical	
<i>Schaeffer</i> , et al. No Free Lunch from Deep Learning in Neuroscie Models of the Entorhinal-Hippocampal Circuit. NeurIPS 2022.	nce: A Case Study through
Schaeffer, et al. Streaming Inference for Infinite Feature Models. I	CML 2022.
Schaeffer, et al. Streaming Inference for Infinite Non-Stationary Cl	ustering. CoLLAs 2022.
Schaeffer, et al. Efficient Online Inference for Nonparametric Mixtu	are Models. UAI 2021.
<i>Schaeffer</i> et al. Reverse-engineering Recurrent Neural Network so ference task for mice. NeurIPS 2020.	olutions to a hierarchical i
Professional Experience	
Stanford University Graduate Student Researcher (Professor Sanmi Koyejo)	Sep 2021 - Prese
Graduate Student Researcher (Professor Sanmi Koyejo)	

Meta Generative AI, Large Language Models Research Science Intern	June 2023 - Present	
Massachusetts Institute of TechnologyJan 2020 - Sep 2023Senior Research Associate & Graduate Student Researcher (Professor Ila Fiete)		
Google DeepMind, Hierarchical Reinforcement Learning Research Engineer Intern	May 2021 - Jul 2021	
Uber, Intelligent Decision Systems Data Scientist	Oct 2018 - Sep 2019	