

GEORGE STOICA

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🔗 [Github](#) | 🔖 [LinkedIn](#) | 🔘 [Google Scholar](#)

EDUCATION

Georgia Institute of Technology <i>Doctor of Philosophy in Machine Learning</i> Co-advised by Professors Judy Hoffman (Georgia Tech) and Ranjay Krishna (UW)	Aug 2021 - May 2027
Carnegie Mellon University <i>Bachelor of Science in Statistics and Machine Learning</i> University Honors School of Computer Science College Honors Dean's List with High Honors Dean's List	Aug 2015 - May 2019

CONFERENCE PAPERS & PREPRINTS

<u>Contrastive Flow Matching</u>	ICCV 2025
George Stoica, Vivek Ramanujan*, Xiang Fan*, Ali Farhadi, Ranjay Krishna, Judy Hoffman	
<u>Model Merging with SVD to Tie the Knots</u>	ICLR 2025
George Stoica*, Pratik Ramesh*, Boglarka Ecsedi, Leshem Choshen, Judy Hoffman	
<u>Ziplt! Merging Models from Different Tasks without Training</u>	ICLR 2024
George Stoica*, Daniel Bolya*, Jakob Bjorner, Pratik Ramesh, Taylor Hearn, Judy Hoffman	
<u>Re-TACRED: Addressing Shortcomings of the TACRED Dataset</u>	AAAI 2021
George Stoica, Emmanouil Antonios Platanios, Barnabás Póczos	
<u>Improving Relation Extraction by Leveraging Knowledge Graph Link Prediction</u>	arXiv 2020
George Stoica, Emmanouil Antonios Platanios, Barnabás Póczos	
<u>Contextual Parameter Generation for Knowledge Graph Link Prediction</u>	AAAI 2020
George Stoica*, Otilia Stretcu*, Emmanouil Antonios Platanios*, Tom Mitchell, Barnabás Póczos	

WORKSHOP PAPERS

<u>Ziplt!: Multitask Model Merging without Training</u>	(Oral) UniReps NeurIPS 2023
George Stoica*, Daniel Bolya*, Jakob Bjorner, Pratik Ramesh, Taylor Hearn, Judy Hoffman	
<u>Bi-Directional Self-Attention for Vision Transformers</u>	(Best Paper Award) VTTA NeurIPS 2022
George Stoica, Taylor Hearn, Bhavika Devnani, Judy Hoffman	
<u>Re-TACRED: A New Relation Extraction Dataset</u>	KR2ML NeurIPS 2020
George Stoica, Emmanouil Antonios Platanios, Barnabás Póczos	
<u>Knowledge Graph Enhanced Relation Extraction</u>	KR2ML NeurIPS 2020
George Stoica, Emmanouil Antonios Platanios, Barnabás Póczos	
<u>Contextual Parameter Generation for Knowledge Graph Link Prediction</u>	GRL NeurIPS 2019
George Stoica*, Otilia Stretcu*, Emmanouil Antonios Platanios*, Tom Mitchell, Barnabás Póczos	

INVITED TALKS

Big Bang Reading Group, Google Research	2024
On Model Merging	

Bio-NLP Lab Seminar, University of Massachusetts Amherst	2022
Improving Relation Extraction by Leveraging Knowledge Graph Link Prediction Objectives	

FELLOWSHIPS

Google PhD Fellowship	Aug 2026 - Aug 2027
In Machine Learning & ML Foundations	
National Science Foundation	Aug 2023 - Aug 2026
Graduate Research Fellowship	

ACADEMIC APPOINTMENTS

Visiting PhD Student, University of Washington, Seattle, WA	Sept 2024 - Present
Visiting PhD Student at the University of Washington (UW) and advised by Professors Judy Hoffman (Georgia Tech) and Ranjay Krishna (UW). Involved in diffusion and vision-language modeling projects.	
NSF Graduate Research Fellow, Georgia Institute of Technology, Atlanta, GA	Aug 2023 - Present
Building capable multitask models by fusing the weights of existing task-experts. Advised by Professor Judy Hoffman.	
Graduate Research Assistant, Georgia Institute of Technology, Atlanta, GA	Aug 2021 - Aug 2023
Introduced Ziptl!, developed inverse self-attention, explored compositional few-shot learning. Advised by Professor Judy Hoffman.	
Research Assistant, CMU Machine Learning Department, Pittsburgh, PA	Aug 2019 - Jan 2021
Created a new standard relation extraction benchmark. Introduced framework to improve relation extraction models by coupling knowledge from link prediction. Built models capable of explaining anomalies in video. Advised by Professor Barnabás Póczos.	

INDUSTRY APPOINTMENTS

Student Researcher, Ai2 PRIOR, Seattle, WA	March 2025 - Present
Core contributor to MolmoV3: vision encoder pretraining.	
Student Researcher, Google DeepMind, Mountain View, CA	April 2024 - Aug 2024
Developed a conversational agent with Gemini for solving nuanced client-problems. Improved existing multimodal in-context learning approaches. Product focused.	
Machine Learning Researcher, Inokyo, San Francisco, CA	May 2019 - Aug 2019
Developed and demonstrated Inokyo's first end-to-end solution for autonomous checkout in stores.	
Data Science Intern, Palo Alto Networks (PAN), Santa Clara, CA	May 2018 - Aug 2018
Improved PAN's ability to predict sales representative churn, using several classification and statistical methodologies on heavily skewed data.	
Engineering Intern, Conviva, Foster City, CA	May 2017 - Jul 2017
Designed several production metrics to improve customer insights across products. Worked with 10s billions of data examples.	
Data Science Intern, Upwork, Mountain View, CA	May 2016 - Jul 2016
Designed a freelancer hire prediction model with active learning.	

CONFERENCE REVIEWERSHIPS

TEACHING EXPERIENCE

Graduate Teaching Assistant, Introduction to Computer Vision, Atlanta, GA
Prepared homework and exam problems. Undergraduate course with ~180 students.

Jan 2023 - May 2023

Teaching Assistant, Introduction to Machine Learning (PhD), Pittsburgh, PA
Prepared materials and assisted teaching. PhD-level course with ~200 students.

Jan 2018 - May 2018

ACTIVITIES

President & Co-Founder, CMU Data Science Club, Pittsburgh, PA
Organized corporate talks, workshops and datathons for over 200 club members. Represented club and presided over all club meetings and university functions.

Nov 2016 - Nov 2017

FOREIGN LANGUAGES

Romanian (fluent) | French (beginner)