

# GEORGE STOICA

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🐙 [Github](#) | [LinkedIn](#) | 📄 [Google Scholar](#)

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## EDUCATION

### Georgia Institute of Technology

Aug 2021 - May 2027

*Doctor of Philosophy in Machine Learning*

Co-advised by Professors Judy Hoffman (Georgia Tech) and Ranjay Krishna (UW)

### Carnegie Mellon University

Aug 2015 - May 2019

*Bachelor of Science in Statistics and Machine Learning*

University Honors | School of Computer Science College Honors | Dean's List with High Honors | Dean's List

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## CONFERENCE PAPERS & PREPRINTS

### [Contrastive Flow Matching](#)

ICCV 2025

George Stoica, Vivek Ramanujan\*, Xiang Fan\*, Ali Farhadi, Ranjay Krishna, Judy Hoffman

### [Model Merging with SVD to Tie the Knots](#)

ICLR 2025

George Stoica\*, Pratik Ramesh\*, Boglarka Ecsedi, Leshem Choshen, Judy Hoffman

### [Zipt! Merging Models from Different Tasks without Training](#)

ICLR 2024

George Stoica\*, Daniel Bolya\*, Jakob Bjorner, Pratik Ramesh, Taylor Hearn, Judy Hoffman

### [Re-TACRED: Addressing Shortcomings of the TACRED Dataset](#)

AAAI 2021

George Stoica, Emmanouil Antonios Platanios, Barnabás Póczos

### [Improving Relation Extraction by Leveraging Knowledge Graph Link Prediction](#)

arXiv 2020

George Stoica, Emmanouil Antonios Platanios, Barnabás Póczos

### [Contextual Parameter Generation for Knowledge Graph Link Prediction](#)

AAAI 2020

George Stoica\*, Otilia Stretcu\*, Emmanouil Antonios Platanios\*, Tom Mitchell, Barnabás Póczos

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## WORKSHOP PAPERS

### [Zipt! Multitask Model Merging without Training](#)

(Oral) UniReps NeurIPS 2023

George Stoica\*, Daniel Bolya\*, Jakob Bjorner, Pratik Ramesh, Taylor Hearn, Judy Hoffman

### [Bi-Directional Self-Attention for Vision Transformers](#)

(Best Paper Award) VTTA NeurIPS 2022

George Stoica, Taylor Hearn, Bhavika Devnani, Judy Hoffman

### [Re-TACRED: A New Relation Extraction Dataset](#)

KR2ML NeurIPS 2020

George Stoica, Emmanouil Antonios Platanios, Barnabás Póczos

### [Knowledge Graph Enhanced Relation Extraction](#)

KR2ML NeurIPS 2020

George Stoica, Emmanouil Antonios Platanios, Barnabás Póczos

### [Contextual Parameter Generation for Knowledge Graph Link Prediction](#)

GRL NeurIPS 2019

George Stoica\*, Otilia Stretcu\*, Emmanouil Antonios Platanios\*, Tom Mitchell, Barnabás Póczos

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## INVITED TALKS

<b>Big Bang Reading Group, Google Research</b> <a href="#">On Model Merging</a>	<b>2024</b>
<b>Bio-NLP Lab Seminar, University of Massachusetts Amherst</b> <a href="#">Improving Relation Extraction by Leveraging Knowledge Graph Link Prediction Objectives</a>	<b>2022</b>

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## FELLOWSHIPS

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

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## ACADEMIC APPOINTMENTS

<b>Visiting PhD Student, University of Washington, Seattle, WA</b> 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.	<b>Sept 2024 - Present</b>
<b>NSF Graduate Research Fellow, Georgia Institute of Technology, Atlanta, GA</b> Building capable multitask models by fusing the weights of existing task-experts. Advised by Professor Judy Hoffman.	<b>Aug 2023 - Present</b>
<b>Graduate Research Assistant, Georgia Institute of Technology, Atlanta, GA</b> Introduced Ziplt!, developed inverse self-attention, explored compositional few-shot learning. Advised by Professor Judy Hoffman.	<b>Aug 2021 - Aug 2023</b>
<b>Research Assistant, CMU Machine Learning Department, Pittsburgh, PA</b> 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.	<b>Aug 2019 - Jan 2021</b>

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## INDUSTRY APPOINTMENTS

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

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## CONFERENCE REVIEWERSHIPS

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TEACHING EXPERIENCE

<i>Graduate Teaching Assistant, Introduction to Computer Vision</i> , Atlanta, GA Prepared homework and exam problems. Undergraduate course with ~180 students.	<b>Jan 2023 - May 2023</b>
<i>Teaching Assistant, Introduction to Machine Learning (PhD)</i> , Pittsburgh, PA Prepared materials and assisted teaching. PhD-level course with ~200 students.	<b>Jan 2018 - May 2018</b>

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ACTIVITIES

<i>President &amp; Co-Founder, CMU Data Science Club</i> , Pittsburgh, PA Organized corporate talks, workshops and datathons for over 200 club members. Represented club and presided over all club meetings and university functions.	<b>Nov 2016 - Nov 2017</b>
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FOREIGN LANGUAGES

Romanian (fluent) | French (beginner)