

KEJIAN SHI

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Education

Yale University

*MS in Computer Science, GPA: Honor, **YaleNLP**, Advisor: Arman Cohan*

2023 - Present

New Haven, CT

New York University

*BS in Computer Science, Minor in Math, GPA: 3.928, **NYU ARG***

2017 - 2021

New York, NY

Selected Work

* Equal Contribution

See website or GScholar for full and up-to-date publication status

SciRIFF: A Resource to Enhance Language Model Instruction-Following over Scientific Literature

In Submission to ACL 2025, *In NeurIPS 2024 FM4Science Workshop* [\[arXiv\]](#)

David Wadden*, **Kejian Shi***, Jacob Morrison, Aakanksha Naik, Shruti Singh, Nitzan Barzilay, Kyle Lo, Tom Hope, Luca Soldaini, Zejiang Shen, Doug Downey, Hannaneh Hajishirzi, Arman Cohan

ReIFE: Re-evaluating Instruction-Following Evaluation

Committed to NAACL 2025 [\[arXiv\]](#)

Yixin Liu*, **Kejian Shi***, Alexander R. Fabbri, Yilun Zhao, Peifeng Wang, Chien-Sheng Wu, Shafiq Joty, Arman Cohan

Pretraining Language Models with Human Preferences

ICML 2023 (ORAL PRESENTATION) [\[arXiv\]](#)

Tomasz Korbak, **Kejian Shi**, Angelica Chen, Rasika Vinayak Bhalerao, Christopher Buckley, Jason Phang, Samuel R. Bowman, Ethan Perez

On Learning to Summarize with Large Language Models as References

NAACL 2024 [\[arXiv\]](#)

Yixin Liu, **Kejian Shi**, Katherine He, Longtian Ye, Alexander Fabbri, Pengfei Liu, Dragomir Radev, Arman Cohan

Large Language Models as Misleading Assistants in Conversation

ICML 2024 NextGenAIS Workshop [\[arXiv\]](#)

Betty Li Hou, **Kejian Shi**, Jason Phang, James Aung, Steven Adler, Rosie Campbell

Social Bias in Masked LMs Pre-trained on Scientific Corpora

SciNLP Workshop at AKBC 2021 (extended abstract) [\[arXiv\]](#)

Kejian Shi, Leyi Yan, Chuwei Xu

Research Experience

YaleNLP

Research Assistant

2023 – Present

New Haven, CT

- Ongoing: Leveraging semantic matching to build reference-based LLM-as-Judges (**Lead**)

NYU Alignment Research Group/ML2

Research Assistant

2022 – Present

New York, NY

- Ongoing: Multi-layer sandwiching evaluation unveils generalization gap of scalable oversight methods (**Lead**)

NYU C2SMART Center

*Research Assistant, PI: Prof. **Li Jin***

Fall 2020

New York, NY

- RL for DQJL problem in smart transportation: [Preprint](#)

NYU Tandon WEST Group

*UG Summer Research Intern, PI: Prof. **Torsten Suel***

Summer 2020

Brooklyn, NY

- A predictive indexing algorithm for top-k candidate retrieval in web search
- Abstract and poster presented

Teaching & Service

• Teaching Assistant

- NYU CDS AI School 2022, 2023, 2024 (All three years)
- CPSC 577 Natural Language Processing (Spring 2024); Prof. Arman Cohan
- CS2124 Object Oriented Programming (Fall 2019, Spring 2020, Fall 2020); Prof. John Sterling
- CS4613 Artificial Intelligence (Spring 2020, Fall 2020); Prof. Edward Wong
- CS2214 Computer Architecture (Fall 2019); Prof. Anam Waheed
- CS1134 Data Structures, NYU Tandon PTC

- **Reviewer:** ICLR 2025, COLING 2025, NeurIPS 2024, NeurIPS 2024 FM4Science Workshop, NeurIPS 2024 InterpretableAI Workshop, ACL SRW 2024, ACL Rolling Review (2024 – present)

Awards

- NYU Founders' Day Award 2021
- NYU UGSRP Scholarship 2020
- NYU Abu Dhabi Summer Scholarship 2019
- NYU Tandon Student Leader Award 2019

Industry Experience

Allen Institute for AI

Student Research Collaborator

Fall 2023

Seattle, WA

- Co-led the development of SciRIFF and SciTulu project, a major Ai2 collection

CertiK

Software Engineer (Full-time), manager: shenjie.li@certik.com

2022 – 2023

New York, NY

- Crypto projects, data pipeline, NLP, and recommendation systems

Beijing Didi Chuxing Technology Co., Ltd

Summer Algorithm Intern

Summer 2018

Beijing, PR China

- Data pipeline and analytics for Chinese “Uber”

Technical Skill

Languages: Python, C++, TypeScript

Frameworks: DeepSpeed, Slurm, AI2 Beaker, Ray, S3, Kafka, Airflow, W&B

Web: GraphQL, React, React Native, Express

DB and Tools: MongoDB, Redis, PostgreSQL

Test scores : GRE 331 (2020); TOEFL 111 (2016)