

YULU QIN

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EDUCATION

New York University

Sept 2021 – May 2023

M.S. in Computer Science at Courant Institute, GPA: 3.78/4

The Ohio State University

Sept 2018 – May 2021

B.A. in Sociology and Computer Information Science, Magna Cum Laude

Nankai University

Sept 2016 – June 2018

GPA (4.0 Scale): 3.7, GPA (100 Scale): 88.50, Merit Scholarship

RESEARCH EXPERIENCE

New York University Human and Machine Learning Lab

June 2023 – present

Assistant Research Scientist, Advisor: Prof. Brenden Lake

- Learning syntax and semantics from a single-child's linguistic experience
- Examine model differences on language learning from limited data

The Ohio State University Computational Social Science

May 2020 – Dec 2020

Research Assistant

- Contributed results to presented talk in socPIE Workshop 2020
- Used dictionary-based analysis and topic modeling with R to analyze Airbnb reviews to examine racial disparity.

The Ohio State University Department of CSE

May 2020 – Aug 2020

Research Assistant of NLP Word Alignment

- Assisted Prof. Wei Xu for word alignment annotation and software setup

TEACHING ASSISTANTSHIP

NYU CSCI-GA.2565 Machine Learning, Prof. Rajesh Ranganath

Sept 2022 – Dec 2022

RELEVANT PROJECT

Interpret BERT's Syntactic and Semantic representation | *Interpretability of LLMs*

Jan 2023 – May 2023

- Investigated BERT's understanding of phrasal, syntactic, and semantic representations, employing advanced probing techniques for interpretability. [\[Report\]](#)[\[Github\]](#)

MISC

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL

Technologies/Frameworks: Apache Spark, Python Flask, Ruby on Rails, Pytorch, Hugging Face, Git, Linux, ZenHub, Swagger, Ansible, PostgreSQL, Shell Script

Relevant Courses: Machine Learning, Computational Cognitive Modeling, Natural Language Processing, Computational Linguistics, Fundamental Algorithms, Artificial Intelligence, Linear Algebra, Mathematical tools in Computer Science