

Zehua Li

zehuali@stanford.edu
(216) 333-5702

EDUCATION

Stanford Law School J.D.	2023 –
University of Michigan, Ann Arbor B.S. Computer Science, with Highest Distinction (top 3%)	2019 – 2021
Case Western Reserve University Major: Computer Science (transferred)	2017 – 2019

RESEARCH EXPERIENCE

Law & NLP Research Fellow , Stanford Law School Advised by Professor Julian Nyarko	2021 –
<ul style="list-style-type: none">I develop domain-specific language models suitable for long legal documents and use AI-driven computational techniques to study law, history, and public policy. I also helped develop <i>Learning with Evidence</i>, a lawyer-facing course on causal analysis.	
Research Assistant , Language & Information Technologies Lab, University of Michigan Advised by Professor Rada Mihalcea	2020 – 2021
<ul style="list-style-type: none">I developed machine learning models for evaluating medical news’ veracity. I also studied fact-check algorithms that pair tweets in minority languages with existing English fact-checks. Papers published at NAACL and AAAI.	
Research Assistant , Case Western Reserve University Advised by Professor David Wilson	2018 – 2019
<ul style="list-style-type: none">I streamlined the MRI-CT-Cryo image processing workflow and optimized the medical image registration algorithm with trial data evaluation.	

PUBLICATIONS

Preprints/In-progress

- Zehua Li**, Julian Nyarko, Sarath Sanga. Terms of Freedom: Black Labor Contracts in the Reconstruction South. **Working paper**. Work presented at Yale, Harvard, and Cornell.
- Neel Guha, Julian Nyarko, Daniel E. Ho, Christopher Ré, ..., **Zehua Li**. LEGALBENCH: A Collaboratively Built Benchmark for Measuring Legal Reasoning in Large Language Models. **Under review** for NeurIPS.

Conferences

- Zehua Li**, Neel Guha, Julian Nyarko. Don’t Use a Cannon to Kill a Fly: An Efficient Cascading Pipeline for Long Documents. International Conference on Artificial Intelligence and Law (2023). **Oral presentation**.
- Ashkan Kazemi*, **Zehua Li***, Verónica Pérez-Rosas, Scott A. Hale, Rada Mihalcea. Matching Tweets with Applicable Fact-Checks Across Languages. The First Workshop on Multimodal Fact-Checking and Hate Speech Detection, AAAI (2022).
- Ashkan Kazemi, **Zehua Li**, Verónica Pérez-Rosas, Rada Mihalcea. Extractive and Abstractive Explanations for Fact-Checking and Evaluation of News. The Fourth Workshop on NLP for Internet Freedom: Censorship, Disinformation, and Propaganda, NAACL (2021).

Note: Asterisk (*) denotes equal contribution.

INDUSTRY EXPERIENCE

- Software Engineering Intern**, Argo AI 2020
- I designed and implemented the data aggregation service for hail-riding fleet management. The service supports real-time querying and visualization over millions of geo-based trip data.
- Web Designer**, Michigan Institute for Data Science (MIDAS) 2019 – 2021
- I redesigned MIDAS’s website to better inform visitors of the institute’s research updates and upcoming events. UMich’s director of communications praised the new accessible design as “best of its kind.”
- Software Engineering Intern**, MIM Software Inc. 2019
- I developed medical image alignment features for MIM’s main medical imaging software that complies with FDA regulations.
- Web Development Intern**, The New York Times Beijing Bureau 2017
- I constructed interactive web pages for The New York Times Chinese Edition, undertook research on technology-related reports and contacted potential interviewees.

HONORS AND GRANTS

- **James B. Angell Scholar**, University of Michigan (2021)
- **Most Outstanding Officer Award**, Tau Beta Pi (2020, K-12 Outreach Officer)
- **University Honors**, University of Michigan (2019 – 2020)
- **Outstanding Sophomore Award**, Case Western Reserve University (2019, top 3%)
- **Dean’s High Honors**, Case Western Reserve University (2017 – 2019)

SERVICE

- Tau Beta Pi Engineering Honor Society**
- Advisor 2023
- Chapter Development Officer 2022
- K-12 Outreach Officer 2020 – 2021
- I organized K-12 STEM events for underprivileged students in the Detroit metropolitan area. I also pushed for chapter-wide DEI reforms and K-12 service expansion. My chapter was selected from TBP’s 251 chapters for the R.C. Matthews Outstanding Chapter Award for its singular K-12 outreach service during the pandemic.
- Ledong Huangliu High School, Hainan**
- Teacher 2017
- I taught computer science and theater at the rural high school for a semester. I also organized students’ extracurricular activities and developed an online platform to cultivate students’ reading habits.
- Mentorship**
- Jayendra Singh Chauhan (Stanford CS)

SKILLS

- Natural Language Processing**
- Semantic mining, LLM pre-training & fine-tuning, cross-domain classification
- Web Development**
- React.js, D3.js, Nest.js, PostgreSQL, Elasticsearch, Docker, Git
- Programming**
- Python, JavaScript, C++, Java, R, Spark, Google Apps Script, L^AT_EX