

Zichen Wang

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Education

University of Rochester

Sep 2022 - Dec 2023

M.S. in Computer Science

Cumulative GPA: 4.0 / 4.0

Purdue University, West Lafayette

Aug 2014 - May 2018

B.S. in Computer Science

Overall GPA: 3.29 / 4.0

Research Experience

Bias or Diversity? Unraveling Semantic Discrepancy in U.S. News Headlines

Sep 2022 - Mar 2023

MEDIATE Workshop 2023, International AAAI Conference on Web and Social Media (ICWSM)

- Built web crawlers and collected over 1,800,000 news titles from 9 news media websites.
- Applied Multiple Correspondence Analysis and N-gram Analysis to measure and describe the discrepancies.
- Trained a BERT model for annotating the dataset by using Human-Guided Machine Learning method.

Work Experience

MarsWalk

May 2023 - Present

Backend & Machine Learning Engineer (Internship)

Shanghai, China

- Developed and integrated LangChain, ChatGPT, and Stable Diffusion to enable the creation and interaction of chatbots with distinctive characteristics.
- Created a Flask API server and a user interface utilizing Gradio for comprehensive feature testing purposes.

StoreHub

Aug 2020 - May 2022

Front-End Developer

Shanghai, China

- Owned client-side development of BackOffice (a business management software, 13,000 merchants).
- Designed a standardized monitoring system to track web pages performance and quantify user experience.
- Blueprinted performance optimizing solutions for Beepit (a food delivery application, 31,000 daily active users). Reduced its loading time by 30% approximately.

Trip.com Group

Sep 2019 - Aug 2020

Software Engineer

Shanghai, China

- Developed and maintained IM+ (a customer support system used by agents at all call centers).
- Solved several memory leak problems in IM+.

Skills

Programming Languages

Python, JavaScript/TypeScript, HTML/CSS, C/C++, Java

Frameworks & Databases

Flask, LangChain, React.js, Redux, PyTorch, Gradio, Pandas, Redis, MySQL

Tools & Others

Docker, Azure, Git, Jenkins, Jira, Agile, Scrum, RESTful API design