

ASPEN Y. WANG

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RESEARCH OBJECTIVES

My passion in exploring human-centered application of language technologies has driven me to pursue graduate studies in Natural Language Processing and LLM. I am interested in research including but not limited to decision-making, knowledge reasoning, machine translation, and speech reasoning.

EDUCATION

Vassar College <i>B.A. in Computer Science, minors in Statistics and History</i>	Aug. 2022 – May 2026 <i>Poughkeepsie, NY</i>
<ul style="list-style-type: none">– Relevant Coursework: Analysis of Algorithms, Data Structures and Algorithms, Computer Organization, Theory of Computation, Linear Algebra, Calculus 3– Planned Coursework: Computational Linguistics, Data and its discontents, Bayesian Statistics, Statistical Machine Learning	

RESEARCH EXPERIENCE

Summer Research Intern <i>Depositar Lab, Institute of Information Science, Academia Sinica</i>	May 2024 – Aug 2024 <i>Taipei, Taiwan</i>
<ul style="list-style-type: none">– Advisor: Tyng-Ruey Chuang– Area of Work: Data Analysis, Digital Preservation, Database Management, Research Data Management• Designed an reusable ETL pipeline for migrating digital archive database, adhering to FAIR data principles, and documented the process as a comprehensive guideline for future use.• Conducted literature review on research data management plans, persistent identifier protocols, and open data policies, and summarize findings into a detailed analysis report.• Upgraded and maintained an outdated JavaScript web app, improving functionality and performance, and prepared it for publication as an npm package to support research tool dissemination.	

PROFESSIONAL EXPERIENCE

Digital Systems Intern <i>Vassar College Library</i>	Sep 2024 – May 2025 <i>Poughkeepsie, NY</i>
<ul style="list-style-type: none">• Worked on automating metadata ingestion and digital media uploads for library archives, applying metadata standards to improve data quality and reproducibility.	
Summer IT Volunteer <i>Spring Sprouts Innovation for Social Services</i>	Jun 2023 – Jul 2023 <i>Taipei, Taiwan</i>
<ul style="list-style-type: none">• Contributed to the development and maintenance of the NPO’s website infrastructure and conducted data-driven analysis to inform marketing strategies for fundraising initiatives.	

EXTRACURRICULAR ACTIVITIES

Graphic Designer <i>Portrait Magazine</i>	Sep 2022 – May 2024 <i>Poughkeepsie, NY</i>
<ul style="list-style-type: none">• Led design discussions on article layout and visual presentation for Vassar’s semesterly Asian American Student Magazine, integrating principles of graphic design and audience engagement.	

RELATED PROJECTS

Online Forum Political Leaning Detection Web Application	Apr 2025 - Present
<ul style="list-style-type: none">• Designed and developed a full-stack web application that applies natural language processing techniques to analyze political leaning in posts from online forums.• Integrated sentiment analysis and keyword-based heuristics to generate real-time ideological “temperature” scores from user-submitted content.	

SKILLS

Natural Languages: Chinese(Mandarin):Native, English:Full Proficiency, French, Hokkien: Conversational
Programming Languages: Python, JavaScript, Java, SQL