

ZIQING (KAYLIN) JI

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EDUCATION

University of Washington PhD in Biomedical and Health Informatics (Advanced Data Science Specialization)	Sept 2024 – Now
Yale University M.S. in Health Informatics	Aug 2022 – May 2024
University of Maryland, College Park B.S. Computer Science, B.A. Linguistics (Dual Degree) Minors: Statistics, Sustainability Studies	Aug 2018 – May 2022

EXPERIENCE

Biomedical Informatics and Medical Education, University of Washington <i>Research Assistant</i> <ul style="list-style-type: none">Developing dementia detection models using NLP, LLMs, and domain adaptation on speech and text dataAnalyzing and visualizing survey data on Social Determinants of Health (SDoH) screening primary care	Sept 2024 – Present
International Rescue Committee <i>Data Analytics and Systems Intern</i> <ul style="list-style-type: none">Troubleshoot issues with data collection and automation issuesDeveloped PowerBI dashboards, services, and workflows that help staff to be more efficient and effective in service delivery	Jan 2024 – May 2024
McDougal Lab, Biomedical Informatics & Data Science, Yale University <i>Research Assistant</i> <ul style="list-style-type: none">Contributed to computational neuroscience database curation project (see publications)Presented at Society for Neuroscience 2023 with poster titled “Automating neuroscience model identification and characterization”	Oct 2022 – May, 2024
Consumer Health Informatics Lab, Yale University <i>Research Assistant & Intern</i> <ul style="list-style-type: none">Developing NLP classification and predictive models with BERT on COVID-19-related Tweets using PyTorch and TensorFlow libraries in Python with accuracies over ~94%Contributed to a user-centered design study to develop a mental health self-management app tailored for Black women	Sept 2022 – May, 2024
Language Acquisition Lab, University of Maryland <i>Research Assistant</i> <ul style="list-style-type: none">Presented in multiple academic poster sessions on child language acquisition topicsParticipated in building official lab website using HTML	Jan 2021 – May 2022

PUBLICATIONS

Ji, Z., Guo, S., Qiao, Y., & McDougal, R. A. (2024). Automating literature screening and curation with applications to computational neuroscience. *Journal of the American Medical Informatics Association*, 31(7), 1463–1470. <https://doi.org/10.1093/jamia/ocae097>

SKILLS

Languages Mandarin (Native), English (Native), French (Intermediate), Spanish (Introductory)
Technical Skills Python, R, SQL, SAS, PowerBI, Azure, PostgreSQL, Tableau, HTML, CSS, R-Shiny, Flask, JavaScript, Java

AWARDS

2023 Colin White Memorial Scholarship (awarded to 2 recipients per year)