

# Kevin W. Jin

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## SUMMARY

Computational scientist with expertise in NLP and healthcare AI seeking to apply data-driven problem solving and cross-functional communication skills in industry.

## EDUCATION

**Yale University** 2023 – Present  
*Doctor of Philosophy in Computational Biology and Biomedical Informatics* New Haven, CT

- **Awards:** NSF Graduate Research Fellowship (five-year federal grant worth \$159,000; ~12% funding rate)

**Johns Hopkins University** 2016 – 2020  
*Bachelor of Science in Molecular and Cellular Biology* Baltimore, MD

- **Activities:** Japanese American Student Association (Secretary, then Vice President), Quiz Bowl Team (Secretary)

## EXPERIENCE

**Yale School of Medicine** Aug. 2023 – Present  
*Graduate Researcher, Clinical NLP Lab* New Haven, CT

- Develop NLP pipeline combining fine-tuned LLMs and retrieval-augmented generation for **psychiatric treatment recommendation** from 100,000+ patient records
- Led 21 co-authors in a **mixed-methods systematic evaluation** of psychiatric clinical reasoning quality in four frontier LLMs; manuscript under peer-review

**Yale University Poorvu Center for Teaching and Learning** Aug. 2025 – Present  
*Graduate Writing Lab Fellow* New Haven, CT

- Coach graduate researchers 1-1 across scientific disciplines on **structuring arguments and communicating complex findings to diverse audiences** (e.g., dissertations, publications, grants); serving the 7500+ graduate students at Yale

**Alexion, AstraZeneca Rare Disease** June 2025 – Aug. 2025  
*Medical Writing Operations Intern* New Haven, CT

- Built a **GraphRAG knowledge base** to steer writing style of LLM-authored clinical study reports of an investigational drug for submission to regulatory agencies, in partnership with Graphlit and InteliNotion; work adopted and continued by team
- Advised model selection and **iteratively designed 10+ production-grade LLM prompts** generating corresponding sections of a clinical study report, in partnership with InteliNotion

## SELECTED PUBLICATIONS AND PRESENTATIONS

- K.W. Jin, Y. Rostam-Abadi, P. Chaudhary, et al. "Diagnostic Accuracy and Clinical Reasoning of Multiple Large Language Models in Psychiatry". *medRxiv* (2026).
- *Beyond the Algorithm: A Human-Centered Approach to AI in OCD Treatment* (2025). Invited speaker on AI ethics in psychiatric practice at an International OCD Foundation continuing medical education conference.

## SKILLS AND INTERESTS

**Interests:** Healthcare AI; wearable devices; global affairs; military history

**Technical:** Python; R; SQL; Git;  $\text{\LaTeX}$

**Languages:** Mandarin Chinese (fluent); Japanese (conversational)