

Education

University of Michigan, Ann Arbor	August 2025 – May 2027(Expected)
Master of Science in Information – Big Data Analytics	GPA: 3.93/4.0

- **Relevant Coursework:** Statistics, Data Analysis, Programming in R and Python, Machine Learning

University of Pittsburgh	August 2021 – May 2025
Bachelor of Science in Health Informatics	GPA: 3.95/4.0

- **Honors/Awards:** Dean's List (2021-2025)

- **Relevant Coursework:** Python, R, and SQL, SPSS, Power BI, Research Methods, HIPAA, EHR Interoperability,

Professional Experience

Aging and Health Research	June 2025 – August 2025
Editorial Assistant	Shanghai, CN

- Leveraged bilingual communication skills in English and Chinese to compose and edit research summaries for global digital platforms.
- Managed digital outreach and engagement by launching the journal's Rednote account and managing the WeChat platform.
- Edited and annotated manuscript drafts to ensure clarity and strict alignment with international journal standards

National Centre for Infectious Diseases	June 2025 – August 2025
Data Analyst	Shanghai, CN

- Cleaned and standardized multi-site patient datasets using Excel to ensure data quality and consistency.
- Mapped, validated, and corrected clinical data in REDCap to enhance accuracy and integrity.
- Designed REDCap questionnaires based on patient data to support research and streamline

THOHT	June 2024 – August 2024
Data Analyst	Shanghai, CN

- Extracted health data statistics from pathological research papers and organized them in excel sheet
- Reviewed and sorted professional researchers' articles into a database for peer review at research conferences
- Researched, compared, and analyzed various treatment plans and presented the most optimal plan to executives

Eisai	February 2024 – June 2024
Clinical Research Assistant	Shanghai, CN

- Applied advanced filtering techniques across academic databases to identify high-integrity medical publications.
- Ensured 100% data consistency by managing a comprehensive research database for accurate record-keeping.
- Synthesized complex scientific findings into instructional guidelines for treatment plans to support data-driven clinical decision-making.

Project Experience

Prenatal Risk Assessment Tool (Fetal Alcohol Spectrum Disorder)	September 2025 – December 2025
Project Lead	Ann Arbor, MI

- Implementing password protection system and local-only data processing to prevent data breaches
- Automated input verification to maintain data consistency and prevent errors caused by missing information
- Translated guidelines into a weighted scoring algorithm and functional data model with one-decimal precision

Nursing Documentation Optimization & AI-Assisted Care Plans	September 2025 – December 2025
Project Lead	Ann Arbor, MI

- Conducted semi-structured interviews and affinity walls to identify systemic bottlenecks impacting patient care quality
- Proposed an AI-assisted care plan solution to reduce documentation time based on evidence-based literature reviews.
- Designed technical recommendation for workflows that maintains 100% clinician control and decision-making authority

Healthcare Dashboard for Executive Decision-Making	January 2025 – May 2025
Project Lead	Pittsburgh, PA

- Designed and constructed a healthcare dashboard using Python and draw.io for executive decision-making.
- Utilized SQL and Excel to generate, clean, and load datasets to ensure 100% data integrity.
- Built interactive dashboards with Matplotlib and Plotly to assist leaders in interpreting hospital performance.

Retrospective Study on Tobacco Use Trends	September 2024 – December 2024
Project Lead	Pittsburgh, PA

- Analyzed 2010–2017 tobacco use trends among U.S. students using a retrospective SPSS study.
- Applied inferential statistical analyses of Wilcoxon-Mann-Whitney tests and one-way ANOVA.

Skills

- Technical skills: SQL, Python, R, SPSS, Microsoft Excel, Microsoft PowerPoints, Microsoft Word, Microsoft Outlook
- Personal attributes: Problem solving, Organization, Teamwork, Communication, Project Management,
- Languages competency: Chinese, English