Yvonne Xie

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EDUCATION

Columbia University Mailman School of Public Health | New York, NY   *Expected: May 2027*
Master of Science in Biostatistics – Public Health Data Science
- **Coursework:** Data Science (R), Statistical Computing with SAS, SQL, Epidemiology, Statistical Inference

Boston University, Sargent College of Health & Rehabilitation Sciences | Boston, MA   *May 2025*
Bachelor of Science in Health Science
- **Honors**: Magna Cum Laude (3.89/4.00)
- **Coursework:** Computer Science, Data Science (Python), Quantitative Method in Public Health ®

WORK EXPERIENCE

AccurEdit Therapeutics | *Bioinformatic Intern* | Suzhou, China   *Jun – Aug 2025*
- Analyzed over 50 genomic datasets to evaluate gene-editing efficiency and risks, directly informing therapeutic design strategy for a clinical-stage program
- Optimized genomic data workflows, reducing analysis turnaround time and increasing efficiency in data-driven research operations
- Translated complex sequencing insights for cross-functional teams of 5 clinicians and molecular biologists, guiding next step recommendations

Boston University AWARE Lab | *Research Assistant* | Boston, MA   *Jul 2024 – May 2025*
- Conducted qualitative analysis by coding over 1,700+ data points to uncover trends in vaccine hesitancy, which informed an abstract at the Society for Social Work and Research 30th Annual Conference and manuscript development
- Synthesized 150+ literature reviews that informed study design for the Hope & Empowerment for Asian Loss (HEAL) Study, strengthening its submission to the American Foundation for Suicide Prevention
- Analyzed >10,000 survey responses in R using regression models to identify links between parenting styles and child well-being, advancing lab's evidence base for culturally grounded interventions
- Served as the sole bilingual interviewer across BU, MGB, and Harvard, enabling inclusion of 10+ Chinese American parents and expanding cultural validity of NIH-funded study findings

Boston University School of Medicine, Bosmann Lab | *Research Assistant* | Boston, MA   *Sep 2023 - Jul 2024*
- Identified immune response patterns in sepsis and ARDS models using Excel and CellProfiler, generating insights that guided ongoing experiments
- Applied statistical modeling and visualization to interpret cell culture and western blot data, contributing to publication-quality figures and lab presentations

Nanhu Lab | *Research Assistant* | Jiaxing, China   *Jul – Aug 2023*
- Evaluated >10 wound treatment materials using biostatistical methods, generating insights that guided lab's selection for further development
- Processed and analyzed genetic sequencing data to identify patterns relevant to material effectiveness
- Ensured reliability of experimental models by maintaining high accuracy in data collection and quality control processes

China Heart House | *Project Assistant* | Suzhou, China   *May - Jun 2023*
- Generated outcome analyses and executive dashboards to guide national rollout strategy across 200+ hospitals, enhancing healthcare delivery efficiency
- Coordinated across 5 departments and external partners to align hospital participation and strategic growth goals
- Produced 60+ articles and graphics to drive stakeholder engagement and awareness

ACADEMIC PROJECT

Boston University Data-Driven Healthcare Analysis for Cardiovascular Disease   *Sep – Dec 2024*
- Conducted big data analysis using the Global Adult Tobacco Survey (GATS) to assess cardiovascular disease prevention strategies in the Philippines and Vietnam
- Leveraged Excel for statistical analysis and translated findings into policy recommendations addressing healthcare disparities in Philippines and Vietnam

SKILLS
- **Programming & Analytics:** Excel (advanced), PowerPoint (presentations, storytelling), Python, R, SQL, Tableau
- **Other:** Literature synthesis, regression & statistical modeling, bilingual (English & Mandarin)