Jingyi Yang
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EDUCATION

University of Massachusetts Amherst   Expected December 2025
Master of Science in Data Analytics and Computational Social Science
Relevant Coursework: Data Science Fundamentals, Research Design, Intro to Quantitative Analysis, Introduction to GIS, Advanced Quantitative Methods, Text as Data, Nonprofit Law & Management, Machine Learning, Advanced Data-Driven Storytelling, Statistical Consulting

University of Massachusetts Amherst   May 2024
Bachelor of Arts in Sociology, Minor: Psychology,
Certificates*: Social Work and Social Welfare, Social Research Analysis*
Honors: Dean's List (all semesters), Chancellor's Award (all semesters), David S. Leiderman Award (2024), Phi Beta Kappa Honors Society Member (2024)
Relevant Coursework: Elementary Statistics, Data Collection & Analysis, Field Research Methods, Survey Design and Analysis, Population Studies, Social Problems, Foundations of Sociological Theory, Writing in Sociology, The Family, Intro to Social Work, Domestic Violence, Sociology of Immigration, Developmental Psychology, Social Psychology, Cooperation and Conflict, Elementary Spanish, Introduction to Microeconomics

EXPERIENCE

Student Consultants   September 2025-Present
Statistical Consulting and Collaboration Services, College of Natural Sciences Department of Mathematics and Statistics, University of Massachusetts Amherst, MA
- Collaborate with professors and other graduate students to provide consultation on data quality and statistical methods for interdisciplinary research projects.
- Use R to perform descriptive and regression analyses, visualize data, identify key trends, and develop statistical analysis plans.
- Prepare clear written explanations of findings for non-technical audiences.

Research Assistant   September 2025-Present
Executive Orders and Ideological Learning Project, College of Social and Behavioral Science, University of Massachusetts Amherst, MA
- Conduct text analysis of over 500 presidential executive orders in R, applying supervised and unsupervised methods to develop ideological scales that support continuous research.
- Synthesis results into clear written memos, thereby strengthening the accessibility of technical findings to audiences with diverse backgrounds.

Teaching Assistant   August 2025-Present
Research Design, College of Social and Behavioral Science, University of Massachusetts Amherst, MA
- Provide academic support and contribute to improving student understanding of research design.
- Conduct in-person and virtual office hours for over 30 students to establish a supportive learning environment.

Assistant Teacher   May 2025- August 2025
Center for Early Education and Care, University of Massachusetts Amherst, MA
- Supported full-time teachers across all five classrooms, adapting communication and teaching strategies for children aged 15 months to 5 years old.
- Facilitated include outdoor play, small group, and other educational activities to foster social, emotional, and cognitive development for groups ranging from four to eighteen children.
- Maintained a safe and organized classroom to comply with standards and policies.

Co-Coordinator For The SBS RISE Peer Mentoring Program   September 2024 - Present
SBS RISE Connects Mentoring Program, College of Social and Behavioral Science, University of Massachusetts Amherst, MA
- Designed a program evaluation survey, analyzed data using R and Excel, created reports, and provided recommendations for the program that serves approximately 20 students each academic year.
- Undertook the program's daily tasks, including mentor-mentee matching, document tracking, and progress check-ins, to ensure organized and professional program operation.

- Facilitated mentor meetings, provided assistance through in-person and email communication, fostering inclusive, collaborative, and mutual learning environments.
- Collaborated on recruiting and interviewing mentors, onboarding new mentors, and organizing mentor-mentee gatherings to strengthen community engagement.

Secretary of Institutional Review Board (IRB) / Ethical Committee (EC) Intern   June 2024 - July 2024
Sichuan Cancer Hospital, Chengdu, China
- Processed 80 preliminary review decisions, examining 60 file backups, along with 52 GCP (Good Clinical Practice) project ethics review applications, to support the ethical committee's review workflow.
- Prepared two ethics committee meetings and took meeting minutes, promoting the efficiency and rigor of the meeting.

Peer Mentor   November 2023 - May 2024
SBS RISE Connects Mentoring Program, College of Social and Behavioral Science, University of Massachusetts Amherst
- Established one-on-one connections with first-generation and international students, guiding them in academic goal-setting using the SMART Goal method, and university resource navigation.
- Fostered strong peer connections that enhance student confidence, academic engagement, and sense of belonging.

Undergraduate Research Assistant   September 2023 - May 2024
Transparency and Accountability among District Attorney Offices Project, College of Social and Behavioral Science, University of Massachusetts Amherst, MA
- Completed nearly 300 quantitative and qualitative data collections from district attorney websites to support the research project.
- Proposed improvements to codebooks and data recording methods during weekly meetings, increasing consistency and reliability of project datasets.

Counselor Advocate   August 2023 - May 2024
Center for Women and Community, Amherst, MA
- Trained in basic consulting and hotline call strategies, including active listening, safety assessment, and planning, to ensure client safety and emotional well-being.
- Completed over 200 hours of service, provided free, confidential support services to all genders who have experienced assault and abuse in Hampshire County, and reported the emergencies following procedures.
- Contributed to reviewing calls and discussing typical cases during group meetings to improve service quality.

First-Year Seminar Teaching Assistant   September 2022 - December 2022
Activism and Social Movements at UMass, College of Social and Behavioral Science, University of Massachusetts Amherst, MA
- Assisted instructors in teaching and managing seminars by engaging class participation and organizing a workshop for course registration.
- Developed communication, organizational, and teaching skills through structured teaching assistant training and in-class practice.

Social Worker Intern   May 2021 - June 2021
Chengdu Ai You Xi Community Development Center, Chengdu, China
- Assisted five client interviews and generated summaries to identify specific needs for efficient social services.
- Collaborated with coworkers and community staff to organize cultural events, such as Children's Day and Dragon Boat Festival events, enhancing resident engagement.
- Created and implemented home visit plans for individuals receiving subsistence to complete review work and ensure the accuracy of documentation.

SKILLS
- **Languages:** Mandarin Chinese (Native), English (fluent)
- **Software:** RStudio, ArcGIS, Power BI, BigQuery, SPSS, Anaconda, Qualtrics, Google Suite, Microsoft Suite
- **Programming languages:** R, SQL, Python
- **Soft Skills:** Communication, Community Outreach, Leadership, Teamwork, Adaptability

PROJECTS

Text As Data Project | https://tinyurl.com/textasdatafinalproject   May 2025
  - Analyzing the characteristics of academic papers about college students and their families through unsupervised learning methods.

Quantitative Data Analysis Project| https://tinyurl.com/quantitativeproject   May 2025
  - Using R to analyze how work-family conflicts are related to health outcomes through data from the General Social Survey (GSS).

Fictional Organization Memo Project| https://tinyurl.com/fictionalorganizationmemo   December 2024
  - Analyzing non-profit law and policy to avoid issues happening in fictional organizations that students and other partners founded.

CERTIFICATIONS

Certificate of Completion - EEC Essentials 2.0 (EN) (for Family and Center-Based Educators)   May 2025

FERPA Certification   October 2024- October 2034

CITI Program Human Research, Group 2 Social and Behavioral Research Investigators and Key Personnel, 1 - Basic Course   March 2024-March 2029

Excel: Managing and Analyzing Data Courses on Course on LinkedIn   April 2023

Data Analytics for Students Course on LinkedIn   April 2023

Accenture "Data Analytics and Visualization" Course on Forage   April 2023

Accenture "Project Management" Course on Forage   February 2023

Standard Bank "Getting Ready to Join the Workforce" Course on Forage   February 2023

Project Management Tips Course on LinkedIn   December 2022

Project Management Foundations: Small Projects Course on LinkedIn   December 2022

Business Etiquette: Phone, Email, and Text Course on LinkedIn   December 2022