

Chenhao Zheng

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Education

Columbia University

New York, United States

Master of Biostatistics

2027 (expected)

Major courses: Principles of Epidemiology, Biostatistical Methods I and II, Data Science I, Capstone Consulting Workshop, Statistical Inference.

Rutgers, The State University of New Jersey

New Brunswick, NJ, United States

Bachelor of Arts in Statistics - Mathematics (GPA: 3.6)

2025

Major courses: Statistics I & II, Probability, Data Wrangling, Multivariable Calculus, Bayesian Data Analysis, Statistical Learning, Differential Equations.

Dean's List (2022 ~ 2023).

Professional Experience

National Clinical Research Center for Neurological Diseases, Beijing Tiantan Hospital

Beijing, China

Research Intern

Jun 2025 – Aug 2025

- Developed forest plots in R to visualize AUC values and 95% confidence intervals across multiple models and time points.
- Conducted theoretical research on mediation analysis (CMAverse, regmedint).
- Performed systematic literature reviews on CTI epidemiological studies.
- Applied sensitivity analysis techniques including E-values and Rosenbaum bounds.
- Participated in an RCT on Laser Interstitial Thermal Therapy with Toripalimab; conducted CRF verification and EDC testing.

National Clinical Research Center for Neurological Diseases, Beijing Tiantan Hospital

Beijing, China

Research Intern

Jun 2024 – Sep 2024

- Acquired proficiency in Epidata for data management and database design.
- Contributed to LC/MS imaging prediction software development in R Studio.
- Designed application UI and server-side logic for data processing and visualization.
- Collaborated in SHINY mRS scoring project and biweekly team meetings.

Bank of China, Henan Branch

Zhengzhou, China

Intern, Investment Banking Bond Underwriting Team

Jul 2023 – Sep 2023

- Supported documentation for bond issuance and compliance checks.
- Attended client meetings to collect financial information.
- Contributed to discussions on bond structuring and marketing.

Project Experience

Kaggle NYC Dataset, Class Team Project

New York, United States

Airbnb Price Prediction Project

Sep 2023 – Dec 2023

- Analyzed 50,000 NYC Airbnb listings (16 features) through exploratory data analysis and geospatial visualization to uncover pricing patterns and borough-level differences.
- Engineered advanced features (e.g., sentiment analysis of reviews, host behavior metrics, interaction terms) to improve model accuracy.
- Built and compared predictive models including regression and SVM with cross-validation, segmenting performance for “cheap vs. expensive” markets.
- Developed data preprocessing pipelines to address outliers and missing values, ensuring model robustness.
- Delivered findings in a 30-page technical report and presentation with actionable pricing recommendations for Airbnb hosts.

Extracurricular Activities

Pisces Free Breakfast and Lunch Program

New Jersey, United States

Volunteer

Apr 2023

- Prepared and distributed meals; supported community event operations.

Little Investment Bankers of Rutgers University (Libor)

New Jersey, United States

Member

Sep 2022 – Nov 2024

- Attended weekly sessions on investment banking and finance.
- Engaged with professionals and peers through discussions.

Skills & Certificates

Languages: English (fluent, TOEFL 102), Mandarin (native).

Programming: R, MATLAB, Epidata, Latex, Python.

Certification: GCP