

Yingchen (Lana) Zhang

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EDUCATION

Cornell University - Weill Cornell Graduate School of Medical Sciences

New York, NY

MS in Biostatistics and Data Science

Dec. 2025

- GPA: 4.00/4.30 (Ranking: top 20%).
- Selected major courses: Biostatistics with R Lab, Study Design, Statistical Programming with SAS, Regression Analysis, Data Management (SQL), Big Data in Medicine, Hierarchical Modeling & Longitudinal Data Analysis.

Beijing University of Technology

Beijing, China

BS in Mathematics and Applied Mathematics

Jul. 2024

- GPA: 3.73/4.00 (Ranking: top 10%).
- Selected major courses: Mathematical Experiments and Applications (96%), Introduction of Life Science (95%), Database Technology and Applications (94%), Mathematical Statistics (88%), Modeling and R Software (85%).

INTERNSHIP EXPERIENCE

Neuropath Healthcare Solutions, Inc

New Jersey, NJ

Behavioral Health Research Intern, Neuropath Research Initiatives

Jun. 2025-Aug. 2025

- Led health research studies focused on autism outcome analyses across New Jersey and other U.S. states, performed both macro-level time series analysis and multi-level regression & cross-sectional analysis using R, Python and Power BI.
- Sourced and extracted biopharmaceutical and public health datasets from diverse repositories and databases independently.
- Documented study progress and IRB submission material, contributing to funding applications for Autism Speaks and SFARI.

Client Services Associate Intern

May. 2025-Jun. 2025

- Coordinated and monitored clients' records, medical scheduling, and case assignments using digital health platforms, e.g., eClinicalWorks, CRM system, AxisCare system, ensuring compliance with U.S. clinical policies and HIPAA regulations.
- Developed Python and Excel analytics tools to optimize healthcare outreach, including a client profile radar map that applied standard deviation banding, logistic regression analysis and random forest modeling, reducing average follow-up attempts from 6.77 to 4.45 and increasing operational efficiency and outreach success rates by at least 30%.

Apexus Tech, LLC

New York, NY

Bio Data Analytics Intern (Python)

May. 2025-Jun. 2025

- Conducted event-driven analyses to evaluate biotech stock performance, utilizing pre- and post-event comparative statistics.
- Performed time-series modeling to assess large-scale biopharma dataset's volatility, applying industry best practices.

Medtronic Management Co., Ltd

Beijing, China

Medical Device Data Analytics Intern, General Surgical Technology Marketing Department

Oct. 2023-Jul. 2024

- Conducted in-depth market analysis for surgical device products by integrating historical sales trends, competitive pricing analysis, and forecasting models using R and Excel, enabling data-driven decision-making across 4 critical business lines.
- Analyzed tiered pricing data for over 1,000 suture products spanning 12 categories by performing regression analysis throughout the product lifecycle using R, which achieved a 15% boost in pricing accuracy and 10% increase in profit margins.
- Fostered strong internal and external relationships by developing newsletters, which boosted customer satisfaction by 20%.

Zai Lab (Shanghai) Co., Ltd

Beijing, China

Clinical Trial Associate Intern, Clinical Operations Department

Jul. 2023-Oct. 2023

- Managed clinical trial documents in both physical TMF folders and electronic eTMF system, ensuring compliance with ICH-GCP, CDISC, and ZaiLab SOPs, processing 100+ documents daily, with peak volumes reaching up to 500 pages per day.
- Executed end-to-end clinical trial operations while mitigating operational and statistical risks, supported CRA throughout.
- Developed accurate and rigorous clinical trial data validation and statistical programming using SAS and SQL.
- Collaborated with Biostatisticians to produce high-quality statistical tables, listings, and figures (TLFs) using R.

SCOR SE Beijing Bee Tech

Beijing, China

Health Management Intern

Nov. 2022-Mar. 2023

- Conducted market research and prepared proposals on the global healthcare trends and innovations, leading to the launch of 5 new health initiatives, such as Cancer Screening, Musculoskeletal Rehabilitation, and Diabetes Monitoring (CGM).
- Designed data-driven frameworks for health insurance services, boosting service efficiency and clients' satisfaction by 5%.

STUDENT EXPERIENCE

Student Union of Science College, Beijing University of Technology

Beijing, China

Executive Chairwoman

Sep. 2020-Sep. 2023

- Organized over 15 campus events and innovatively developed the official account, increasing student engagement by 55%.
- Managed and resolved student concerns via E-mail and phone calls, resulting in a 30% improvement in student satisfaction.

PROFESSIONAL AFFILIATIONS AND CERTIFICATES

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| Member, American Statistical Association (ASA) | 2025 |
| Member, International Society for Pharmacoeconomics and Outcomes Research (ISPOR) | 2025 |
| SAS Certified Base Programmer for SAS 9 (Certified Specialist) 967/1000 | 2024 |
| Human Research-Biomedical Research Investigators and Key Personnel Certificate | 2024 |
| International Conference on Harmonization-Good Clinical Practice (ICH-GCP) Certificate | 2023 |

PROFESSIONAL SKILLS

- Computer Skills:** C, R, SAS, SQL, Python, MATLAB, SPSS, Tableau, Power BI, Microsoft Office Suite