

KAICHENG MO

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PROFESSIONAL SUMMARY

• Analytical MPH candidate in Epidemiology (Columbia Mailman) with Biochemistry training (UCL) and an applied biostatistics/data-science certificate. Hands-on experience in real-world data analysis (R, SAS, Python, SQL), evidence synthesis, and market/competitive analytics for healthcare. Adept at translating complex findings into clear business recommendations for cross-functional stakeholders in pharma/biotech, med-tech, and healthcare services. Open to HLS consulting, HEOR/RWE analyst, epidemiology/data scientist, and market access/analytics roles.

EDUCATION

Columbia University Mailman School of Public Health — New York, NY

MPH, Epidemiology GPA 4.0 | Sep 2024 – Jun 2026

- Coursework: Applied Regression; Quantitative Methods; Health Economics
- Certification: Applied Biostatistics & Data Science (2025)

University College London (UCL) — London, UK

BSc, Biochemistry (Upper Second-Class Honors, 2.1) | Sep 2021 – Jun 2024

- Research: Assessed Gaussian & worm-like chain models for IDPs; explored computational approaches to improve conformational predictions

SELECTED PROJECTS (2025)

Systematic Review — Parenteral Nutrition (PN) & Appetite/Satiety/Oral Intake | New York, NY | Jun–Present (ongoing) 2025

- Defined PICOTS & inclusion aligned to Institute of Medicine (IOM) standards (adults; PN ≥ 48 h); outcomes included appetite/satiety/oral intake, LOS, infection
- Built multi-block PubMed strategies (ICU/HSCT/surgery/benign & malignant GI); produced evidence tables & PROSPERO fields
- Automated logs/tables in R/SAS

Longitudinal Cognitive Analysis in R — with Dr. Sarah Tom | New York, NY | Jun–Present (ongoing) 2025

- Cleaned repeated-measures cognition data; encoded factors; centered age
- Fit linear mixed-effects models (lme4) for cognition trajectories vs. time; generated CIs, diagnostics, and interpretable outputs for decision-making

EXPERIENCE

Manager Assistant Intern — Guangzhou Dekang Medical Technology Co. | Guangzhou, China | Jun–Aug 2024

- Estimated market share & growth from sales data; identified priority segments for metformin
- Conducted market research; contributed to positioning & prospect planning; prepared management-ready deliverables

Research Assistant — The Chinese University of Hong Kong (CUHK) | Hong Kong | Jun–Sep 2023

- Supported discovery of KEAP1-targeting bioactives in Xuebijing injection
- Ran transcriptomics & network analyses; used CETSA to validate compound–target interactions

SKILLS

Technical: R (tidyverse, lme4, broom.mixed), Python (pandas, numpy), SQL, SAS, Excel, PowerPoint

Methods: Evidence synthesis (IOM; PICOTS), longitudinal modeling, data cleaning/QA

Languages: English (Fluent); Mandarin (Native)