

SHIYING WU

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EDUCATION

Columbia University	09/2024-Expected 05/2026
Master of Science in Biostatistics, Theory and Method Track	
Boston University	01/2021-05/2024
Bachelor of Arts in Mathematics, Specialty in Statistics; Minor in Computer Science; GPA:3.59	
Awards: Dean's list in Summer 2021-Spring 2024	
Activities: Leader of BU Mathematical Association of America Chapter & Marketing Club, BU CGS Peer Mentor	

SKILLS

Programming Skills: R (tidyverse, ggplot2, dplyr), Python (pandas, numpy), Java, SAS, HTML, JavaScript

Tools: Tableau, Excel (Pivot tables, VBA, advanced formula)

Languages: Japanese (Native), Mandarin (Native), English (Native)

CONSULTING AND ANALYSIS EXPERIENCE

Ernst & Young , Shanghai, China	07/2023
<i>Financial Analysis Intern</i>	

- Collaborated with leadership team and played a key role in compiling and analyzing financial data for the semi-annual report of Intesa Sanpaolo S.p.A, one of Europe's major banking groups.
- Actively involved in through-line testing for cash handling and archiving, performed loan review and analysis, and audited interbank borrowing processes, ensuring compliance and accuracy in financial reporting and operations.
- Enhanced efficiency and reduced **50%** processing times by developing **Java**-based solutions for financial workflows.

Noah Holdings , Hangzhou, China	06/2022-08/2022
<i>Advisory Assistant</i>	

- Executed an in-depth analysis of **5+** clients' financial needs and risk profiles through multifield, identifying specific investment preferences and risk tolerance, ensuring that each strategy was precisely aligned with individual client objectives.
- Facilitated leadership team for the proposed project and gathered budgets of **20,000+** dollars.
- Award: **Honor Intern and Honor Team Leader**

Case Competition organized by Marketing Club	09/2021-12/2021
<i>Team Leader</i>	

- Led team with diverse background, effectively communicating progress and adjusting strategies in real-time.
- Analyzed multi area of Mary Kay's business operations to identify strategic improvements, focusing on tailoring products and marketing strategies to appeal to the younger generation, thereby enhancing brand reach and operational effectiveness.

RESEARCH AND DATA ANALYSIS EXPERIENCE

Statistical Data Science for Public Health and Biomedicine in Columbia University , online	07/2023-08/2023
<i>Statistical Researcher</i>	

- Acquired in-depth knowledge of the UK Biobank dataset (**500,000+ records**) by developing **3** statistical analysis models (**Lasso, Random Forest, Causal Inference**) using **R**, focused on biomedicine and epidemiology.
- Conducted a detailed study on insomnia and diabetes, analyzing influencing factors such as anxiety and lifestyle habits.

MOCovi Research Group in Boston University , Boston, US	01/2023-05/2024
<i>Statistical Researcher</i>	

- Analyzed large health-related datasets (**445,132 records**) from the 2022 BRFSS under CDC by using Excel VBA and R.
- Utilized **Tableau** and **R** to visualize insights on the correlation between health behaviors and Type 2 Diabetes, presenting findings weekly with MOCovi founders and in **3** conferences, which informed data-driven public health recommendations.

ICBC Data Center , Shanghai, China	08/2023
<i>Data Analyst Intern</i>	

- Authored detailed research reports on top domestic and international generative AIGC and natural language large models, showcasing in-depth analysis and understanding of data sources and collection methodologies.
- Assisted in projects focusing on structured data applications and problem-solving methods, prepared data for AI database.

Spring 2023 COMAP Mathematical Contest in Modeling	03/2023-04/2023
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- Used **R** to do data cleaning, check correlation and coefficient, and predicted used sailboat prices by multi-predictors
- Used **Tableau** to visualize data and analyze the pattern of used sailboat brands

2023 COMAP Mathematical Contest in Modeling	02/2023-04/2023
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- Used multi-predictor and partial differential equations to predict Plant Communities under Drought-Stricken conditions.

LEADERSHIP EXPERIENCE

Boston University , Boston, ma, <i>MA124 Teaching Assistants</i>	10/2023- 05/2024
BU Mathematical Association of America Chapter <i>Executive Border Member</i>	05/2021-05/2024
BU Illustration Narrative Collaborative <i>Executive Border Member</i>	11/2021-05/2024
BU CGS Peer Mentor	09/2022-05/2024

ADDITIONAL PROFESSIONAL EXPERIENCE

Gold Key Real Estate , Osaka, Japan <i>Sales Assistant</i>	05/2022-06/2022
Qingdao Haitong Garment , Qingdao, China <i>Salesperson</i>	08/2020-08/2021