

# Yujing FU

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## EDUCATION

**Columbia University, United States**

*Sep. 2024 – May. 2026*

M.S. Biostatistics

**University of Nottingham Ningbo, China**

*Sep. 2020 – Jul. 2024*

BSc (Hons) Economics

GPA: 3.81/4.00

**Related Modules:** Python, Health Economics, Microeconomic & Macroeconomic Theory, Econometrics I & II, Intermediate Mathematical Economics, Mathematical Economics and Econometrics.

**Honor:** 2021-2022 UNNC President's Scholarship (**top1%**)

## PROFESSIONAL EXPERIENCE

**MiraclePlus, Beijing, China**

*Data analyst*

*Jul. 2024 - Aug. 2024*

- Utilized SQL to extract and visualize key data from Superset, aiding management in gaining a clearer understanding of the startup camp's operations.
- Developed SQL-driven dashboards to monitor application trends from various channels in real-time, providing data-backed insights for decision-making.
- Structured data and optimized the Prompt-eval model by upgrading from GPT-4 to version 4.0, adjusting prompts to ensure sample data met expected outcomes in model testing.
- Employed Python to match and analyze connections between contact datasets and project datasets, enhancing data integration efficiency.

**AsiaInfo Technologies Limited, Hangzhou, China**

*Bigdata Development Intern*

*Jul. 2023 - Aug. 2023*

- Streamlined data management, interface specification collection, creation of agent and equity partnership settlement data models, and design of array logic that is expected to improve data retrieval efficiency by 30%.
- Used SQL to extract 20K+ business-related data and utilized window functions to calculate core indicators that macroscopically display the company's operating status based on significant factors such as profitability and user volume.

**BenHealth Consulting & Technology, Shanghai, China**

*Medical Consulting Intern*

*Jun. 2023 - Jul. 2023*

- Engaged in the NRDL project, aiding a Fortune 500 pharmaceutical company in new drug insurance inclusion and renewal of existing drugs, independently created product demonstration cards and conducted 2 expert interviews, and wrote 29 in-depth interview summaries.
- Utilized questionnaire tools and Excel to consolidate interview information, performed data analysis and visualization, and participated in the creation of weekly report PPTs, identifying risk points and proposing solutions.
- Completed a 24-page market research proposal within 5 days for a global top 5 oral care brand, providing strategic insights, including desk research, data cleaning, PowerBI dashboard creation, and market visualization analysis.

**Shaoxing Medical Security Bureau, Shaoxing, China**

*Intern, Pharmaceutical Pricing and Bidding Procurement Division*

*Dec. 2022 - Jan. 2023*

- Analyzed and processed 50K+ panel data of collective purchasing in Shaoxing, calculated the ratio of punctual settlement within medical institutions in each county using pivot tables; supervised and optimized the annual collective purchasing by urging unqualified hospitals, which improved efficiency by 50%.
- Automated Python scripts to validate the centralized procurement data of Zhejiang Provincial Medical Security Platform, computed the variance between the local database and the platform database and facilitated the platform's amalgamation.

## PROJECT EXPERIENCE

**Research on Effectiveness of Hierarchical Medical System in China**

*Independent Research*

*Mar. 2023 – Jun. 2024*

- Conducted a comprehensive study to evaluate the Hierarchical Medical System's impact on health outcomes and patient satisfaction in China, referencing robust methodologies and conclusions from existing literature and studies.
- Utilized the Difference-in-Differences method, analyzing data from China Family Panel Studies to assess changes pre and post-HMS implementation across diverse regions.
- Found significant improvements in health-seeking behavior and patient satisfaction in areas with fully implemented HMS, highlighting the system's potential in reducing regional health disparities.
- Proposed targeted policy recommendations to enhance the effectiveness of HMS, focusing on accessibility, resource allocation, and patient awareness programs.

### **Divorce Judgment Analysis**

*Data Assistant, supervised by Dr. Yang*

*Jul. 2023 – Dec. 2023*

- Determined the variation in divorce rates before and after the enforcement of the Law of the People's Republic of China Against Domestic Violence in March 2016, using hypothesis testing.
- Applied Python to crawl 35K+ data-related divorce cases from China Referee Website, performed data cleaning to extract variables such as plaintiff's gender, first or second instance, claim outcome, and cause of action.
- Utilized Stata to conduct hypothesis testing, analyzed its impact on the gender of the plaintiff and defendant, the winning rate for both sides, implementation status on protecting the winner's rights and interests as well as the public awareness of domestic violence to finalize a comparative report.

### **Biolot (HK Start-up Company)**

*Chief Marketing Officer*

*Jun. 2021 - Mar. 2022*

- Attended the "HK Tech 300" program organized by the City University of Hong Kong and formed a start-up company "Biolot" tending to commercialize a testing kit that could forecast the risk of acute myocardial infarction.
- Gathered information on the in vitro test kit market, gained expertise on acute myocardial infarction through interviews, analysis of patent reports and financial statements, and assessed market potential in terms of supply and demand.
- Established customer personas, analyzed competitors, market size and prospects via Tableau; wrote a comprehensive business plan and delivered a speech that won a seed fund of HK \$10,000 and was invited by HK Sci-Tech Park.

### **SKILLS**

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- **Software:** Python, SQL, Stata, Tableau, PowerBI, M.S. Office (Excel, Word, PowerPoint)