

ZIQIAN DING

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EDUCATION

Nanjing University

B.S. in Computer Science

Sep. 2019 - Jun. 2023 (Expected)

Jiangsu, China

- **GPA:** 4.60/5 (92.0/100) **Ranking:** 3/190 (Top 2%)

RESEARCH EXPERIENCES

Harvard Business School

Research Assistant

Feb. 2022 - Present

Boston, MA

- Improved a ResNet based deep learning model to understand and categorize the visual emotion of images.
- Conducted data cleaning, large scale web scraping and text mining using Python, and used econometric models to analyze data.

UNC Kenan-Flagler Business School

Research Assistant

Oct. 2021 - Mar. 2022

Chapel Hill, NC

- Cleaned and summarized relatively large scale data sets.
- Analyzed data using econometric, statistical models and machine learning tools, including PSM (Propensity Score Matching), DiD (Differences-in-Differences) and DML (Double Machine Learning).

WORKING PAPER

COVID-19 Telemedicine Expansion: Hidden Consequences on Doctor Churn

- with Vinayak Deshpande and Yuqian Xu

SELECTED PROJECTS

Big Data Processing on Basketball Game Logs

Jun. 2022 - Jul. 2022

- Used Hadoop MapReduce (a distributed computing framework) to process and analyze huge amounts of log data for basketball games.
- Uncovered preferences and tactics for teams and players before providing suggestions for coaches, and predicted future game results.

Airbnb Scraper

Apr. 2022 - May. 2022

- Implemented a tool to retrieve Airbnb property details for a large number of listings using Scrapy.
- Used Airbnb's unofficial API to efficiently collect all available information of each property (e.g., comments, photos, price calendar and descriptions).

SELECTED HONORS

National Scholarship (*for top 0.2% students national-wide*)

Dec. 2021

Outstanding Student (*for top 5% students*)

Jan. 2021

The Wang Laoji Scholarship (*for top 5% students*)

Dec. 2020

SKILLS

Languages

C++, C, Java, Python, R, Matlab, Stata, SQL, Markdown and \LaTeX

Frameworks & Packages

Pandas, PyTorch, Scrapy and Hadoop