

# ZIQIAN DING

☎ (+86) 183-8109-2137 · ✉ ziqian.ding@smail.nju.edu.cn · 🏠 www.ziqianding.cn

Nanjing University, 163 Xianlin Avenue, Nanjing, Jiangsu, China

## EDUCATION

**Nanjing University**

*B.S. in Computer Science*

Sep. 2019 - Jun. 2023 (Expected)

*Jiangsu, China*

- **GPA:** 4.58/5 (91.6/100) **Ranking:** 3/190 (Top 2%) **TOEFL:** 110 **GRE:** 331+4.0

## RESEARCH EXPERIENCES

**Harvard Business School**

*Research Associate*

Feb. 2022 - Present

*Boston, MA*

- Optimize a deep learning model to understand and categorize the visual emotion of images.
- Conduct large scale web scrapping using Python, and manage databases using SQL .

**UNC Kenan-Flagler Business School**

*Research Assistant*

Oct. 2021 - Present

*Chapel Hill, NC*

- Manage, clean and summarize relatively large scale datasets (up to hundreds of GB).
- Analyze data using econometric, statistical models and machine learning tools, including PSM (Propensity Score Matching), DiD (Differences-in-Differences) and DML (Double Machine Learning).

## SELECTED PROJECTS

**Plants vs. Zombies**

Mar. 2021 - Jun. 2021

- Implement a Plants vs. Zombies game based on C++ and QT, using the Object Oriented Programming paradigm. There are multiple kinds of zombies and plants displayed in GIF format.

**NJU Emulator**

Sep. 2020 - Feb. 2021

- Build a reduced x86 emulator that is able to simulate the execution of IA-32 instructions on hardware.
- Implement a simplified operation system featured with hierarchical memory management using C and Assembly language.

**An Educational Administration System**

Mar. 2020

- Build a C++ based information management system with interfaces for both students and administrators.
- For students, functions include choosing courses, dropping courses and signing up for TA. Administrators can import & delete courses, modify course information and arrange choice of courses for students.

## SELECTED HONORS

**National Scholarship**

Dec. 2021

*for top 0.2% students national-wide*

*Ministry of Education, PRC*

**Outstanding Student**

Jan. 2021

*for top 5% students*

*Nanjing University*

**The Wanglaoji Scholarship**

Dec. 2020

*for top 5% students*

*Nanjing University*

## SKILLS

**Languages**

C, C++, Java, Python, R, Matlab, Stata, SQL, Markdown and  $\text{\LaTeX}$

**Frameworks & Packages**

Pandas, PyTorch, Scrapy and Hadoop