

Guangyu Du

Kaiserstraße 89

Karlsruhe Germany 76133

(+49) 01735254716 | Email: Guangyu.du@kit.edu

EDUCATION

Karlsruhe Institute of Technology, Karlsruhe Germany

Since 09/2023

PhD student, Accountable Artificial Intelligence

New York University, New York, NY

Master of Science, Management of Technology; GPA: 3.96

09/2021 - 01/2023

Relevant coursework: Business Analysis, Statistics for Data Analysts, Programming for Business Intelligence and Analytics, Data Visualization for Business, AI-Based Business Model Innovation

Nankai University, Tianjin, China

International Business & German, BA; GPA: 3.78

08/2017 - 06/2021

Relevant coursework: Statistics, Econometrics, Probability and Mathematical Statistics, Linear Algebra, Data Structure, and Algorithms, Multivariable Calculus, Fundamentals of Computer for Science and Engineering

Universität München

Exchange program

07/2018 -08/2018

HONORS AND GRANTS

Second prize of China Mainland Division, 2020 L'Oréal Brand Storm (06/2020)

Innovation and Entrepreneurship Scholarship, Nankai University (10/2019)

First prize of the 4th China Mainland Innovation and Entrepreneurship Competition (04/2019)

Third prize in the National College Student English Competition (05/2018)

RESEARCH EXPERIENCES

Harvard University, Kennedy School's Ash Center, Massachusetts, United States

05/2023- 08/2023

Research Assistant

- Extract donation data from multiple online sources such as philanthropic foundations' annual reports, as well as 3rd party aggregators.
- Verify data, analyze the dataset, and compute summary statistics.
- Use statistical tools to identify, analyze, and interpret patterns and trends in complex data sets.
- Develop data visualizations in Tableau, Power BI, or other comparable tools.

New York University, Department of Technology Management and Innovation, New York, NY

10/2022-12/2022

Capstone project

- Developed a Power BI dashboard for Metaverse study, consisting of three sections: User Image, Product Development, and Commerce Recommendation. The charts and graphs provided valuable insights into Metaverse's future development and potential customers, contributing to the company's growth.
- Cleaned raw data and built a SQL database with three tables to store all data. Used Google Translate API for text analytics to translate Japanese, Spanish, and Arabic to English. Conducted sentiment analysis and clustering analysis to label each respondent and draw user images. Built 6 dimensions of clusters, each with 4-6 labels, to import into the dashboard as a filter and draw personas for easy memorization.

New York University, Department of Technology Management and Innovation, New York, NY

10/2022-12/2022

Academic project

- Analyzed the optimization of the costs of customer complaints against banks using a publicly available dataset in consist of millions of records from the US Consumer Finance Protection Bureau.
- Recommended a course of action based on machine learning to the banks to lower their complaint servicing costs while also improving customer service and reducing the risk of regulatory sanctions.

New York University, Department of Technology Management and Innovation, New York, NY

01/2022-03/2022

Academic project

- Developed a SQL database and utilized Python to extract 10 pairs of real-time currency exchange rate data in a 24-hour period from an API.
- Utilized Bollinger bands to create automated currency trading strategies and optimized profits.

Nankai University, International Business Department, Tianjin, China

03/2021 - 06/2021

Independent Researcher, advisor: Professor Hui Zeng

- Conducted research on The Effect of Entrepreneurial Environment on Entrepreneurial Opportunity Recognition, Intermediary Effect of Cognitive Bias
- Designed questionnaires and scales to evaluate variables. Collected 146 copies of valid questionnaires. Using SPSS to clean and analyzed data. Built up regression models to test the intermediary effect relationship.
- Granted Outstanding thesis for graduation.

Research Institute of Tsinghua University, Beijing, China

07/2019 - 06/2020

Undergraduate research associate

- Participated in macroeconomic research projects, including population, urban development, real estate development, etc.
- Collected public information through multiple channels, cleaned data with Excel and Python and analyzed data according to the research logic.
- Published 12 research reports on social media and WeChat public accounts, the contents were managed by Ren Zeping, the chief economist of Haitong Securities, the viewing rate exceeded 1 million.
- Established a demographic and macroeconomic database covering all major factors in China from 1978 to 2019 based on the original data of Wind and Bloomberg.
- Visualized the Excel, Tableau, and Power BI data, including population, industry, price, inventory, and financial index.

National College Student Innovation and Entrepreneurship Plan, Tianjin, China

03/2019 - 03/2020

Research project Team leader

- Proposed to explore the problem of poverty in China from a linguistic perspective and collaborated with two other team members to carry out field research.
- Designed and executed field visits to poor regions in Hubei province, distributed 1000 copies of questionnaires, and collected 987 copies of valid questionnaires from more than 500 residents.
- Cleaned the data with Excel and SPSS and built regression models to validate the relationship between language skills and poverty. Provided the government with proposals that improve language skills in poor areas to integrate into the development of the economy.

TEACHING EXPERIENCE

Teaching Assistant, Statistics for Data Analysts, New York University

09/2022 – 01/2023

- Developed and implemented lectures for graduate students.
- Analyzed students' performance and provided feedback on assignments.

Teaching Assistant, Business German, Nankai University

02/2020 - 01/2021

- Communicated and coordinated between the German foreign professor and 40 Chinese freshmen.
- Prepared lectures and materials focusing on the business of Germany and held online lectures during the pandemic.

Teaching Assistant, College English, Nankai University

02/2019 – 06/2019

- Organized and led presentations and group discussions on academic issues.
- Nominated as *Distinguished Teachers Assistant* by undergraduate students.

LEADERSHIP

Student Union, School of Economics, Nankai University | President

06/2019 - 06/2020

- Arrange university featured activities - 100 Anniversary of Nankai University and was responsible for the series of Outstanding Alumni activities.
- Reached long-term cooperation with EIC Education and ACCA, raised more than RMB 2,000 yuan, and obtained more than RMB 5,000 sponsorship from the university Communist Youth League.

Nankai University Undergraduate English College Council | Committee Officer

06/2018- 06/2019

- Organized monthly workshops for 300 students to develop their practice skills in Microsoft Office, PS, and Programming.
- Networked with alumni and hosted career forums to provide job search guidance, and career development advice and share recruitment opportunities for members.

Tencent Hi Drama Club, Nankai University | President

06/2018 - 06/2019

- Coordinated 50 members for regular practice and organized 10 drama performances.
- As the outstanding president was invited to join the two episodes of Tencent TV performance - One More Try in May 2019.

TAL First Leap Chinese Campus Ambassador

02/2018– 07/2019

- Organized campus recruitment campaign for over 1,000 prospective undergraduates and graduate students in 10 colleges.
- Demonstrated leadership and professionalism and achieved breakthroughs in school recruitment.

TECHNICAL SKILLS

Proficient in Excel, Word, PPT, Bloomberg, and Wind

Data analysis in SPSS, EVIEWS, Stata

Data visualization in Power BI, R, and Tableau

Programming in Python, C++, SQL

LANGUAGES

English (proficient), TOEFL 102, GRE 324

German (C1)

Mandarin (Native)

Korea (Basic)

Thai (Basic)