

# Dongke Wang

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## EDUCATION

- 09/2021 – Now**     **Universität Zürich | MSc Data Science (Minor in Economics)**  
Core Courses: Foundations of Data Science, Interactive-Visual Data Analysis, Advanced Statistics, Network Science, Informatics, Database Systems, Seminar: Ethical, legal and social aspects of cybersecurity
- 09/2017 – 07/2021**     **Huazhong Agricultural University (HZAU) | Economic Statistics (Bachelor of Economics)**  
Core Courses: Business Data Mining, Intermediate Econometrics, Intermediate Microeconomics, Intermediate Macroeconomics, The Method of Data Analysis and Application, Probability and Statistics  
Awards: Semester Excellence Award, Semester Academic Performance Award, Excellent undergraduate graduates

## PROJECT EXPERIENCE

- 07/2024 – 10/2024**     **YelpCamp Web Application**  
**Personal Project** <https://yelpcamp-u7cw.onrender.com>
- Developed a full-stack web application for campground reviews using Node.js, Express.js, MongoDB, and EJS templating.
  - Integrated user authentication and authorization with Passport.js for secure user login and registration. Excellent undergraduate graduates
  - Implemented CRUD operations for campground listings and user-generated reviews.
  - Deployed the application on Render for seamless hosting and MongoDB Atlas for cloud database management.
- 11/2022 – 09/2023**     **Link Prediction in the Bitcoin Network**  
**Master Project in Universität Zürich, Supervisor: Dany Kamuhanda**
- Extended static link prediction scenarios to address the dynamic link prediction paradigm.
  - Undertook a comparative analysis of the performances exhibited by four methodologies (Node2Vec, GraphSAGE, CTDNE, and VGRNN) applied to Bitcoin user networks across various temporal intervals (daily, weekly, monthly, yearly).

## PROFESSIONAL EXPERIENCE

- 10/2024 – Now**     **Chair in International Management, Department of Business Administration, Universität Zürich**  
**Research Assistant**     **Zürich, Switzerland**
- Responsible for cleaning and organizing datasets from companies' statements using web-scraped data, and utilizing Python for parsing and analysis of financial tables and textual data.
  - Assist with the application of machine learning models, such as large language models (LLMs), decision trees, and text analytics for advanced data analysis tasks.
  - Contribute to strategic management research with a focus on multinational enterprise transformation, mergers & acquisitions, and corporate governance.
- 02/2021 – 03/2021**     **Hangzhou Hupan Licheng Investment Management Co., Ltd. (The Riverside Fund)**  
**Investment Analyst Intern**     **Beijing, China**
- Conducted comprehensive analysis of the SaaS industry using statistical tools, covering market overview, business insights, profitability, competition, and financial analysis.
  - Created dashboards and visual reports using Tableau to present findings on toiletries, small appliances, and low-alcohol industries, providing stakeholders with clear insights and strategic recommendations.
  - Developed advertising strategies for emerging brands based on data-driven insights, analyzing historical performance and predicting future trends.
- 06/2020 – 08/2020**     **Hubei Zhongjing Shengshi Innovation Investment Fund Management Co., Ltd.**  
**Investment Intern**     **Wuhan, China**
- Contributed to fund park planning by evaluating economic benefits and payback periods for various investment methods.
  - Conducted independent research, producing a 15,000-word report on the OLED panel industry, employing data analysis to understand supply, demand, costs, pricing, and competition.
  - Assisted in revising government investment documents and created an industrial overview and investment plan for a city.
- 03/2020 – 04/2020**     **China International Capital Corporation**  
**Investment Banking Department Intern**     **Beijing, China**
- Solely completed industry sections in a major mining assets reorganization report, using data analysis to evaluate competition and market dynamics.
  - Evaluated 16 international companies and 8 domestic transactions using comparable company and transaction methods, calculating PE and PB ratios.
  - Conducted in-depth research on SPAC products, using data visualization tools to analyze equity structure changes, transaction considerations, and valuations.

## ADDITIONAL INFORMATION

- IT skills:** C, Python, SQL, JavaScript, jQuery, NodeJS, NPM, MongoDB, HTML, CSS, Power BI, Tableau, R, Stata, SPSS, SAS, EViews, Praat, Wind, Capital IQ, Wood Mackenzie, Pr
- Languages:** Chinese (Native), English (C1), German (B1)

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