Dongke Wang

29 April 1999
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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://yelpcampdk.vercel.app

- 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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