# HAIJIAN WU

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## EDUCATION

**Columbia University, Fu Foundation School of Engineering and Applied Science** — New York, NY
**Master of Science in Business Analytics** — Aug 2022 - Dec 2023
Course: Business Analytics, Market Analytics, Data Analytics, Statistics & Simulation, Deep Learning for OS & FE

**University of Michigan at Ann Arbor, College of Literature, Science, and the Arts** — Ann Arbor, MI
**Bachelor of Science** — Aug 2019 - May 2022
Bachelor of Science in Mathematics and Data Science, Minor in Physics and Creative Writing
GPA: 3.986/4.0, Graduation with Highest Distinction, Phi Kappa Phi, University Honors, James B. Angell Scholar
Course: Linear Algebra; Data Mining and Machine Learning; Regression Analysis; Financial Math; Theoretical Statistics

## WORK EXPERIENCE

**China International Capital Corporation, Wealth Management** — Shenzhen, China
**Data Analyst, Internet Finance Department** — May 2021 - Aug 2021
- Gathered and analyzed CICC wealth management mobile app data from 2020 to 2021 and its user feedback on product usage, features, and functions to investigate impact of a third-party online distribution channel on app
- Engaged in the CICC wealth management mobile app new event tracking and BI dashboard project, took in charge of filing the new event tracking documents and implementing UAT (User Acceptance Testing) and A/B testing
- Communicated with 6 operation teams to gather requirements for business analytics report updates, and identified business analytics solutions based on the analysis of internal user needs
- Improved the data authority management system based on organizational structure changes and the data governance system and formulated a specific data authority application process based on different types of data applications

**China Minsheng Bank (CMBC)** — Shenzhen, China
**Credit Analyst (full-time internship), Credit Department** — Dec 2020 - Jan 2021
- Engaged in a credit analysis project for iDreamSky, a domestic leading gaming company in the licensing and operating of single-player mobile games and mobile online games, and assisted the project team in creating the final credit report
- Analyzed China's gaming industry and assessed the credit history and financial statements of iDreamSky to identify the potential credit risk, providing industry and company insight to credit officers
- Managed closely with Business Bankers and Commercial Loan Operations in the credit evaluation and approval project for EEKA Fashion Group's M&A case, and mainly took in charge of the financial analysis of EEKA and its takeover target

**Tencent, Technology & Engineering Group** — Shenzhen, China
**Engineer Assistant** — Jul 2019 - Aug 2019
- Designed and implemented a Single Sign-on (SSO) system based on Gin frame, utilized MySQL, Redis, and Docker to design user databases and placed the system on the cloud servers
- Developed basic frames and distributions with CSS, HTML, and JSON, including MVC design modes
- Designed and employed the prevalent security tools for internet, such as Cookie, Session, and methods to avoid DDOS attack

## RESEARCH EXPERIENCE

**University of Michigan, School of Education and Mathematics Department** — Ann Arbor, MI
**Research Assistant for Professor Vilma Mesa** — Jun 2022 - Jul 2022
- Annotated the data of student responses to specific linear algebra questions and categorized the responses to different groups for the coding system to evaluate the student performance about learning linear space and spanning set
- Cooperated in developing the coding category system based on the student responses to improve accuracy of categorizing system

## PROJECT EXPERIENCE

**University of Michigan Event Search Engine** — Ann Arbor, MI
**Project Developer, EECS 486 at University of Michigan Ann Arbor** — Mar 2022 - May 2022
- Applied Vector Space Model and Standard Rocchio Method to build a model and design the search engine includes 1000+ events
- Utilized word2vec to create summary for events, optimize ranking of the retrieved pages and evaluate the user relevance feedback

**Financial Asset Return Prediction** — Ann Arbor, MI
**Analyst, Stats 415 at University of Michigan Ann Arbor** — Nov 2021 - Dec 2021
- Cleaned one-year long real financial data of three assets (daily price) from a Chicago Financial Technology company and made statistical analysis and visualization; built and selected reasonable attributes and variables
- Utilized regressions to build models to predict return rate of the portfolio combined by these three assets
- Achieved 0.58 accuracy (top 3 among groups) finally given the real testing financial data (the next year asset price and return rate)

**Directed Reading Program** — Ann Arbor, MI
**Mentee, Mathematics Department at University of Michigan Ann** — Sep 2020 - Dec 2020
- Applied Finite Difference Methods under the mentor's supervision to solve ordinary differential equations
- Delivered a presentation to discuss the implementation of finite difference methods at boundaries

## LANGUAGE AND IT SKILLS
- Languages: Mandarin (native)
- Programming: Python, C++, Go, R, SQL, MATLAB
- Quantitative Skill: Data Mining, Machine Learning, Basic Deep Learning, Elementary NLP and Information Retrieval
- Other: LaTeX, Markdown