

WANYI YANG

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EDUCATION

New York University

Master of Science in Data Science

Relevant coursework: Machine Learning; Databases; Linear Algebra; Probability; Data Structure.

New York, US Sep. 2022 – May 2024

New York University Shanghai

Bachelor of Science in Business and Finance & Data Science

Study away at NYU Stern School of Business (Sep. 2021 - May 2022)

Shanghai, China Sep. 2018 – May 2022

SKILLS

Computer skills: Python, R, SQL, JavaScript, HTML/CSS, Tableau, Capital IQ, Bloomberg, Excel, PowerPoint(think-cell)

PROJECTS

Customer Retention at HSBC | Python

Jan 2022 - May 2022

- Integrated 116K customer structured data from multiple internal and external sources (13 tables).
- Explored historical data to create visualization dashboard (Tableau, and ggplot in Python).
- Identified customer retention by using 4 classification models including logistic regression, Support Vector Machine, XGBoost and Neural Network, reached accuracy over 95%, retained 15% inactive user to active user by simulative test.
- Collaborated with cross-functional teams including customer service, marketing team to influence future product roadmap, delivered retention strategies of inactive customers to the leadership.

COVID-19 Cases Prediction – A Time Series Prediction Using Machine Learning Approach | Python

Dec 2020

- Build a 3000 covid-19 cases dataset from 7 countries, with their country features.
- Implemented basic models like ridge regression, regression tree, KNN & random forest to predict future covid-19 cases. Applied single and multiple LSTM models to the time series data, tuned the hyper-parameters.
- KNN performed best with an MAE of 0.0134 to predict the number of cases in upcoming days.

Online Air Ticket Reservation System | SQL, Python, JavaScript, HTML, CSS

Mar 2020 – May 2020

- Developed a system that allows customers to search and purchase tickets and airline staff to manage flights.
- Designed the UI wireframes & developed a front-end application using JavaScript and HTML and connected its functionalities to the back-end database using Python MySQL package.

EXPERIENCE

Post Investment Analysis Intern, Tencent Games, Shenzhen, China

Oct. 2021 – Feb. 2022

- Developed IC memos for 2 targeted video game company in Poland with holistic analysis of company's potential.
- Built 6 regional video game benchmarks & comps using Capital IQ to monitor 27 portfolio companies' market performance.
- Diagnosed the global gaming industry with investment methodology, analyzing top 50 video game company's financial reports, game pipelines, company structure, turnover rate, M&A transactions, etc.
- Evaluated 27 companies in Tencent's investment portfolio by IP evaluation, game pipeline projection, financial analysis.

Consulting Intern, AlixPartners, Shanghai, China

Apr. 2021 – Aug. 2021

- Modeled saving analysis using Excel to do cost reduction analysis for a UK retail platform, saved over \$1.3 billions after optimization.
- Processed various sample request orders and managed suppliers to ensure work efficiency.
- Conducted desktop research on autonomous truck, electronic accessory, fresh supermarket, prepare reports for new bids.
- Screened global suppliers, make cold calls, and negotiate import/export (port, tax, pay term) details with them.

Marketing Strategy Intern, SenseTime Technology, Shanghai, China

June 2020 – Oct. 2020

- Proposed and organized SenseTime AI summer workshop, communicated for cross-departmental cooperation.
- Managed over hundreds of orders using CRM system and assisted in semi-annual sales performance calculation.
- Arranged multiple projects (eg. annual security meeting).