

Vanessa Huang

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EDUCATION

National Taiwan University

Department of Finance / Business Analytics Program

- Courses: Programming Design, Data Analysis and Machine Learning with Python, Programming for Business Computing in Python, Social Media Analytics, Business Intelligence and Data Analytics Capstone
- GPA 4.01/4.30

Taipei, Taiwan (R.O.C.)

Sep 2020 ~ present

Université de Lausanne

Exchange – Faculty of Business and Economics / Information Systems and Digital Innovation

- Courses: Text mining, Data Science in Marketing

Lausanne, Switzerland

Sep 2023 ~ Feb 2024

WORK EXPERIENCE

IBM

Associate Business Consultant

- Streamlined project workflows using a skill set in web crawling, generative AI, data mining, and prompt engineering (including CoT, few-shot learning, and synonym usage optimization) with tools like Python, ChatGPT, and Langchain.
- Integrated ESG criteria with generative AI technologies to revolutionize the credit assessment process, achieving an 85% reduction in personnel workload and optimizing the efficiency of ESG data searches.

Taipei, Taiwan (R.O.C.)

Jul 2023 ~ Aug 2023

Deloitte

Actuarial and Insurance Solutions Consulting Intern

- Assisted the team in completing projects, with current focus on IFRS 17 and VM-21 implementation projects.
- Contributed to the development and review of actuarial models, risk management consulting, regulatory consulting, reserve and embedded value calculations and reviews.

Taipei, Taiwan (R.O.C.)

Feb 2023 ~ Jun 2023

PROJECT EXPERIENCE

Property Clustering and House Price Prediction Using Public Real Estate Data

Skill matrix: web crawling, data mining, machine learning, data visualization.

Tools: Python, ML model & algorithms.

- Developed a predictive analysis model for real estate pricing by employing property clustering techniques on public data sets to enhance the accuracy of house price forecasts.

Sinyi Realty, Taiwan

Feb 2024 ~ present

Public Opinion Analysis & Market Strategy Enhancement

Skill matrix: web crawling, data mining, LLM, generative AI, sentiment analysis, data visualization, UI/UX.

Tools: Python, Streamlit, CSS, HTML, ChatGPT.

- Utilized ChatGPT to automatically generate sentiment grading on the data obtained through web crawling.
- Identified market trends related to Gogoro and developed tracking indicators, as well as a dashboard, to effectively communicate our key findings and track relevant trends.

Gogoro, Taiwan

Mar 2023 ~ Jun 2023

Prediction of Airbnb Prices and Attraction Foot Traffic

Skill matrix: web crawling, machines learning, data visualization, web design.

Tools: Python, ML model & algorithms (DNN, K-means), CSS, HTML.

- Assisted travelers in making better choices regarding travel destinations and accommodations but also helps travel industry professionals adjust pricing and operational strategies in a timely manner.

National Taiwan University, Taiwan

Feb 2023 ~ Jun 2023

LEADERSHIP AND RESPONSIBILITIES

NTU Data Analytics Club

Member

- Solved practical business cases through professional data analysis tools (SQL, Tableau, Python, Excel).
- Extracted meaningful insights from data and conducted data analysis report to illustrate the result.

Taipei, Taiwan (R.O.C.)

Sep 2022 ~ Sep 2023

TMBA

Analyst of Equity Capital Market / Analyst of Global Investment Research

- Conducted research on solar energy industry, including industry background investigations on relevant companies, assessment of investment potential, analysis of operational and investment risks, among others.
- Did research on US Dollar Index and REITs, including analysis of economic conditions, currency policies, and investment targets.

Taipei, Taiwan (R.O.C.)

July 2022 ~ August 2022

J.P. Morgan Private Bank Challenge

Contestant

- Regional finalist, top 6 shortlist.
- Generated detailed client asset allocation reports, providing investment portfolio recommendations, with an expected return of \$4.2M and a volatility of 12.01%, along with individual investment position returns.

Asia (Taiwan, Shanghai, Singapore, and Hong Kong)

Mar 2022 ~ April 2022

Global Initiatives Symposium in Taiwan (GIS)

Officer of Global Partnership and Delegates Affairs

- Negotiated with the embassy in Taiwan or foreign office to sign MOU with GIS Taiwan.
- Organized social events and be the emcee and recipient for the events.

Taipei, Taiwan (R.O.C.)

Mar 2021 ~ Jan 2022

ADDITIONAL INFORMATION

- Language: Mandarin (Native), English (Fluent, IELTS 8.0), French (Elementary)
- Computer skills: Word, Excel, PowerPoint, Python, C++, R, SQL, HTML, CSS, JavaScript, Tableau, streamlit