

# Biao Wang

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## EDUCATION

- ❖ **University of Connecticut** **2023 – May 2025 (Expected)**
  - M.S. in **Business Analytics and Project Management**
  - Current GPA 3.8/4.0
- ❖ **The State University of New York at Albany** **2018 – 2022**
  - B.S. in **Econometrics and Quantitative**
  - GPA 3.5/4.0; Dean's List 2020-2021

## MAJOR COURSES

Data Science using Python | Data Management and Business Process Modeling | Predictive Modeling | Statistics in Business Analytics | Data Mining and Business Intelligence | Business Decision Modeling | Project Risk Management and Agile Methodologies | Intermediate Microeconomics | Financial Management | Economic Statistics

## KEY SKILLS

- ❖ **Programming:** Python; R; SQL (DBeaver, Maria DB, Oracle)
- ❖ **Software skills:** JMP; SAS; Jira; MS Project; MS Office Suit (Word, Excel, PowerPoint); Photoshop; Stata; Premiere
- ❖ **Languages:** Chinese (Native); English (Fluent); French (Beginner); Korean (Beginner)

## INTERNSHIP EXPERIENCE

- ❖ **Research Assistant (Winhall Risk Analytics, USA)** **07/2022 - 07/2023**
  - Conducted EDA, data cleaning, and feature engineering in Python.
  - Led a team to track and analyze gold exchange price data.
  - Developed an economic model for gold price prediction using 'XGBoost', achieving an F1 score of 0.63.
- ❖ **Manager Assistant (XINSHUN Furniture Corporation, China)** **07/2019 - 05/2020**
  - Updated Kanban boards and tracked workflow progress.
  - Acted as an expert in an Agile development group, addressing customer feedback.
  - Generated sales data reports and analyzed historical trends.
  - Conducted follow-up calls for after-sales service and customer satisfaction surveys.

## SELECTED COURSE PROJECTS

- ❖ **Insurance Fraud Detection (Course: Data Science Using Python)** **05/2024 - 06/2024**
  - **Key responsibilities:**
    - Developed a predictive model to detect potential insurance fraud.
    - Performed feature engineering, selection, and hyperparameter tuning.
    - Applied model fitting, sampling, and cross-validation techniques.
    - Achieved Model Overall Accuracy: 78.22%.
- ❖ **Analytics of health dataset "PLACES" (Course: Statistics in Business Analytics)** **11/2023 - 12/2023**
  - **Key responsibilities:**
    - Conducted hypothesis tests and visualized data.
    - Computed probabilities and performed regression analysis.
    - Evaluated models using AIC, RMSE, MAE, TPR, TNR, FPR, FNR in R and JMP.

- ❖ **Credit Risk Assessment (Course: Predictive Modelling)** **11/2023 - 12/2023**
  - **Key responsibilities:**
    - Analyzed customer dataset using statistical and visual approaches.
    - Cleaned data, derived new variables, and reduced dimensionality.
    - Used KNN, decision trees for model fitting and assessment in JMP.
- ❖ **Data preprocessing of dataset “Airbnb in Barcelona” (Course: Predictive Modelling)** **10/2023 - 11/2023**
  - **Key responsibilities:**
    - Cleaned and refined the dataset through the SEMMA process.
    - Modeled data using JMP and analyzed variable correlations.
    - Assessed variable impact on booking prices through ensemble models.
- ❖ **Capital Markets and Valuation (Adviser: Prof. David Shimko)** **04/2022 - 06/2022**
  - **Key responsibilities:**
    - Designed a valuation framework for various financial products.
    - Built a model for valuing fixed income products using risk-free interest rates.
    - Published a journal article on crude oil price fluctuations and manufacturing dynamics.
  - **Key achievements:** 1 journal publication: **Biao Wang**, *The Russian-Ukraine Conflict, Crude Oil Price Fluctuation, and Dynamic Changes in China’s and American Manufacturing*, Oct. 2022, BCP Business & Management 30, p.180-188 DOI: <https://doi.org/10.54691/bcpbm.v30i.2424>

#### **AWARDS & ACHIEVEMENTS**

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- ❖ Dean’s List 2020-2021 (SUNY Albany, 10% students University-wide) 2020-2021
- ❖ Second-class scholarship (China University of Petroleum, top 5%) Spring 2019
- ❖ Second-class scholarship (China University of Petroleum, top 5%) Fall 2019
- ❖ First-class scholarship (China University of Petroleum, top 2%) Spring 2018
- ❖ Excellent Student Cadre (China University of Petroleum) 2018-2019