SUN, YIXUAN

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Available for a full-time internship beginning July 2025, with openness to relocation.

EDUCATION

Boston University (BU), USA 09/2024-08/2025
- Master of Science (M.S.) in Information Systems

Core Modules: Database System(sql), Machine Learning, Computer Graphics, Data Analysis, Data Visualization

Stony Brook University (SBU), USA 07/2023-07/2024
- Bachelor of Science (B.S.) in Information Systems (GPA: 3.56/4.0)

Anhui University (AHU), China 09/2020-07/2023
- Bachelor of Science (B.S.) in Digital Media Technology (GPA: 86/100)

SKILLS

Language: Python(PyQt, NumPy, Pandas, Dash, Figma, and Kivy), C, Javascript/Java, Logisim, R, HTML, SQL
Softwares: Tableau, Power BI, Photoshop, Blender, Comic Life

EXPERIENCE

Import & Export data analyst part-time job: Golden Star Import & Export Corp. **12/2023-09/2024**
- Supported international trade operations by analyzing import and export data with python and excel tools related to raw materials and fresh produce from the Middle East and Southeast Asia.
- Provided data-driven insights to optimize logistics, improve supply chain efficiency, and ensure regulatory compliance.

Data Analysis Internship: Huairui Xinzhi Technology (Beijing) C0., Ltd. **03/2023-06/2023**

Huarui Xinzhi is actively using 3 technologies for its website, according to BuiltWith. These include Google, Google Cloud, and Instra. The company is in the business of doing AI for image recognition.

Conducted targeted market research, analyzing user behaviors and competitor strategies in the AI sector, which helped refine Huarui Xinzhi's approach to market positioning and customer engagement.
- Streamlined data integration from multiple sources (such as Excel, Google Cloud,SharePoint), ensuring consistent and high-quality data that reduced processing times and improved analytics accuracy by 3%.
- Leveraged statistical tools(R, Python) to produce actionable insights that supported strategy shifts, enhancing competitive positioning within AI and digital technology markets.

RESEARCH EXPERIENCE

Undergraduate Innovation and Entrepreneurship Training: Design and Research of Urban Air Quality Forecast System Based on Machine Learning 06/2022-05/2023

Core Member; Supervisor: Prof. Yan Xiang (AHU)
- Dedicated to proposing a time series model based on machine learning for predicting urban air quality trends.
- Employed Python as the primary programming language, SQL Database for the storage of data, tableau for visualization data.
- Implemented regression algorithms to construct air quality prediction models, including linear regression, logistic regression, support vector regression (SVR), decision tree regression, etc.
- Applied deep learning algorithms like recurrent neural networks (RNN), convolutional neural networks (CNN), and transformer models to solve complex time series and image data in the project.

PUBLICATION

Yixuan Sun, *Weipeng Cao, Yuhao Wu, Haigang Zhang*, *"A Review on Multimodal Zero-Shot Learning," WIREs Data Mining and Knowledge Discovery (WIREs DMKD), January 2023.*
A comprehensive analysis of methodologies in multimodal zero-shot learning (ZSL). Explored domain shifts and bias in generalized ZSL. Analyzed advanced machine learning models in the zero-shot learning domain, including embedding-based approaches (e.g., Word2Vec, GloVe), generative models (GANs, VAEs), and pre-trained neural networks (ResNet, VGG-19).