Yuxiang Luo

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UNDERGRADUATE EDUCATION

Tongji University   **Sep 2021- Jul 2025(Expected)**

Major: Information Management and Information System

Degree: Bachelor of Management Science

GPA: 4.53/5.0   Grade: 90.30/100   IELTS: 7   GRE:316

RESEARCH EXPERIENCE

Flight Scheduling Modeling Based on Graph Attention Networks   **Feb 2024 -**

Utilized Graph Attention Networks to construct a Directed Acyclic Graph (DAG) from flight data, which serves as the state space for reinforcement learning, with aircraft acting as agents, and the Decoder mechanism functions as the neural network approximations for the Q-function and policy function (pi function).

Analysis of Bilibili Bullet Screen Data and Construction of User Profiles   **Jun 2023 - Jan 2024**

Processed bullet screen data using LSTM, TextCNN, and BERT models respectively, compared the effects of each model. Constructed user profiles from bullet screen keywords, emotional tendencies, and sending times.

Retail Mall Stall Pricing Research   **Feb 2024 -**

Constructed user profiles based on consumption data, then distinguished customer flow, and finally priced different locations and sizes of stalls according to the flow.

Platform Development of Dietary Recommendation for Assisting Psychological Therapy   **Feb 2024 -**

Responsible for the algorithm research part. Used efficient net for the recognition and classification of fruits and vegetables, and used optuna to adjust hyperparameters.

Option Pricing Model   **Jun 2023 – Jan 2024**

Utilized the Black-Scholes formula and binomial tree model for pricing historical daily trading data, and compared the accuracy of both.

AWARDS

National College Students Market Survey and Analysis Competition National Competition Entry	2024
Shenzhen International Fintech Competition, Top Ten	2023
The Mathematical Contest in Modeling (MCM), H Award	2023
Asia-Pacific Mathematical Contest in Modeling, Third Prize	2022

INTERNSHIP

North America Business Department, Shenzhen Shokz Co., Ltd.   **July 2024 –**

Data Analysis Intern

PowerBI application development.
Data cleaning using Pandas and SQL.

Data Union World Intelligent Technology Co., Ltd.   **Jul 2023 - Sep 2023**

Assistant Machine Learning Engineer

NLP: Filtered, annotated, and integrated natural language data, assisted in fine-tuning the knowledge graph and specialized language AI models.

CV: Segmented videos to filter target images, organized data of target images in videos, assisted in debugging a skin quality assessment algorithm based on edge detection.

COURSES

 Analysis and Design of Information Systems, Python Programming, Java Language Programming, Data Structures, Operating Systems, IT Project Management and Audit, Business Intelligence, Application Software and Management Practice.

EXTRACURRICULAR

Tongji University Executive Education Center, Teaching Assistant	Jan 2023 - Apr 2023
Tongji University Student Chinese Orchestra, Percussionist	Sep 2021 -