Jingying Chen

Undergraduate Student | (+86)19357571847 | kkzyu@zju.edu.cn

Python & JavaScript | GPA 3.61/4.3 | https://kkzyu.github.io/

EDUCATION

2022.08–Present | Zhejiang University | Information Management and Information Systems

PAPERS

Mingyu Qi*, **Jingying Chen***, Yunlong Yang. *Optimizing Fresh Warehouse Networks Using MIP and SARIMA Forecasting*. **COCOON 2024 (CCF-B)**, 69–75. *Equal contribution.

- Addressed fresh warehouse network optimization using Mixed-Integer Programming (MIP) for static layout and SARIMA for order forecasting.

RESEARCH EXPERIENCE

2025.04–2025.06 | **Systematic sorting and visualization exploration of social media related research for CHI conferences – Mentor Prof. Yingcai Wu**

- Key Member: Led the project and constructed a 3-tier hierarchical taxonomy (Content-Method-Platform) to structure massive unstructured bibliographic data.
- Technical Contributions: Designed an interactive visual analytics system featuring multi-level Sankey diagrams and coordinated views. The system successfully revealed evolutionary trends and research gaps (e.g., intersection of ethics and algorithms) within the HCI community.

2025.10–Present | **Graduation Project: Explainable AI Text Detection for English Academic Papers – Mentor Prof. Siwei Fu**

- Proposed a framework utilizing Multi-LLM collaborative annotation and human verification to construct a fine-grained dataset with hierarchical linguistic labels.
- Developing a generative detection model designed to map statistical features to AI probabilities, outputting both detection results and interpretable reasoning reports to address the ”black box” issue.

2024.09–Present | **Deep Learning for Multimodal Microscopic Tumor Cell Segmentation & Classification – Mentor Prof. Yongbin Ruan**

- Key Member: Directed deep learning applications for early AI detection and cellular heterogeneity modeling within liver tumor microenvironments
- Technical Contributions: Innovatively achieved high-precision cross-modal registration of H&E and multiplex immunofluorescence images, integrating proteomics data for accurate annotation of complex cell types in mouse bile duct sections; Led the fine-tuning and optimization of deep learning image segmentation models, successfully automating precise nuclear and cell membrane segmentation in tissue sections.

Awards

2024.08 | Grand Prize | 4th Spark Cup Mathematical Modeling Elite League

2024.05 | First Prize | 22nd Zhejiang University Student Mathematical Modeling