JINGYING CHEN

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🔍 Python & JavaScript ⭘ https://github.com/kkzyu

🎓 EDUCATION

2022.08–Present	Zhejiang Univercity	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

2025.05–2025.06 | **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