

# JINGYING CHEN

🎓 Undergraduate Student

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🔍 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

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|-----------------|--|
| 2025.04–2025.06 | <p><b>Systematic sorting and visualization exploration of social media related research for CHI conferences</b> – <b>Mentor Prof. Yingcai Wu</b></p> <ul style="list-style-type: none"><li>➤ Key Member: Led the project and constructed a 3-tier hierarchical taxonomy (Content-Method-Platform) to structure massive unstructured bibliographic data.</li><li>➤ 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 within the HCI community.</li></ul>   |
| 2025.10–Present | <p><b>Graduation Project: Explainable AI Text Detection for English Academic Papers</b> – <b>Mentor Prof. Siwei Fu</b></p> <ul style="list-style-type: none"><li>➤ Proposed a framework utilizing Multi-LLM collaborative annotation and human verification to construct a fine-grained dataset with hierarchical linguistic labels.</li><li>➤ 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.</li></ul>   |
| 2024.09–Present | <p><b>Deep Learning for Multimodal Microscopic Tumor Cell Segmentation &amp; Classification</b> – <b>Mentor Prof. Yongbin Ruan</b></p> <ul style="list-style-type: none"><li>➤ Key Member: Directed deep learning applications for AI detection and cellular heterogeneity modeling within liver tumor microenvironments</li><li>➤ Technical Contributions: Innovatively achieved high-precision cross-modal registration of H&amp;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.</li></ul> |

## 🏆 Awards

2024.08	Grand Prize	4th Spark Cup Mathematical Modeling Elite League
2024.05	First Prize	22nd Zhejiang University Student Mathematical Modeling