

# 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

**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 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 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

**2024.05**

First Prize

4th Spark Cup Mathematical Modeling Elite League

22nd Zhejiang University Student Mathematical Modeling