

CHAOXIANG XIE

Shanghai, China

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EDUCATION

- **Hohai University** **Sep. 2024 – Present**
M.Sc, Library and Information Studies (Focus on Data Mining) *Nanjing, China*
GPA: 87/100
Relevant Coursework: Business Intelligence Analysis and Mining, Advanced Information Retrieval, Machine Learning Applications.
- **Hohai University** **Sep. 2018 – Jun. 2022**
B.Sc, Information Management and Information System *Nanjing, China*
GPA: 85/100
Relevant Coursework: Statistics, Database Principles, Data Structures, Information Security, Calculus, Linear Algebra.

PUBLICATIONS

- **C. Xie, M. Li.** “Multi-Detector Credibility Fusion Network: A Neural Architecture for Robust Multimodal Review Credibility Assessment.” *International Journal of Intelligent Systems*. (Under Review).
- **Y. Shi, C. Xie, Z. Sun, Y. Chen, C. Zhang, L. Yun, C. Wan, H. Zhang, D. Lo, X. Gu.** “CodeOCR: On the Effectiveness of Vision Language Models in Code Understanding.” In *Proceedings of ISSTA 2026*.

RESEARCH EXPERIENCE

- **LLM for Software Engineering Lab (LLMSE) / Shanghai Jiao Tong University** **Oct. 2024 – Present**
Research Assistant (Advisor: Prof. X. Gu) *Shanghai, China*
 - **CodeOCR Pipeline Development:** Spearheaded the engineering of the entire experimental pipeline for CodeOCR, the first systematic study on Multimodal LLMs for code understanding.
 - **Visual Encoding Implementation:** Implemented the visual context compression algorithms, enabling the transformation of code into rendered images. This approach achieved up to **8x token compression** while preserving semantic integrity.
 - **Experimental Analysis:** Conducted comprehensive evaluations on code completion and clone detection tasks. Demonstrated that visual cues (e.g., syntax highlighting) allow MLLMs to match or outperform text-based models in specific scenarios.
- **Institute of Management Science / Hohai University** **Jun. 2023 – Present**
Independent Researcher *Nanjing, China*
 - **MDCFN Architecture Design:** Independently proposed the *Multi-Detector Credibility Fusion Network*, a novel framework to detect sophisticated fake reviews (human-written & AI-generated).
 - **Hierarchical Fusion Mechanism:** Designed a fusion module integrating three specialized detectors (textual/temporal, visual, and relational graph branches) to capture complementary credibility cues at fine-grained and global scales.
 - **Dataset & SOTA:** Constructed a large-scale annotated multimodal dataset (33k+ reviews, 50k+ images), uniquely augmented with LLM-generated content. Achieved **98.77%** accuracy, substantially outperforming state-of-the-art baselines.

SELECTED PROJECTS

- **Simulating Conversations with Fine-Tuned LLMs** | *Python, PyTorch, LoRA* *Jun. 2024*
 - Fine-tuned **Qwen-7B-Chat** using LoRA and MLX frameworks on a custom dataset scraped from social media (Rednote) to mimic specific persona-based conversational styles.
 - Deployed the model for real-time interaction, winning the **Excellent Work Award** at the Intel Mini Hackathon.

- **E-sports Player Style Clustering Analysis** | *Python, Scikit-learn* *Mar. 2022 – Apr. 2022*
 - Engineered a data pipeline to crawl 100+ matches of top-ranked players. Extracted 11 key performance indicators to quantify player behavior.
 - Applied K-means clustering to categorize playstyles, providing data-driven strategic insights for team composition.

PROFESSIONAL EXPERIENCE

- **Inspur Morning Cloud Technologies Co., Ltd.** **Jul. 2022 – Jun. 2024**
Software Engineer (Python Backend) *Shenzhen, China*
 - Developed core modules for a Human Capital Management (HCM) system serving enterprise clients.
 - Optimized data import/export efficiency by implementing a tree-traversal algorithm for complex multi-level headers, reducing processing time by 40%. *[TODO: how to define 40%?]*
 - Awarded the **R&D Rising Star Award** for technical innovation and secured one pending patent.

SKILLS & AWARDS

- **Technical Skills:** Python, PyTorch, SQL, Docker, Linux, LaTeX, Git, Scikit-learn.
- **Languages:** English (IELTS 7.0 - Reading 8.5), Cantonese, Mandarin (Native).
- **Honors:** R&D Rising Star Award (Inspur, 2022), Excellent Work Award (Intel LLM Challenge, 2024).