Han Wu

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Education

Shanghai Jiao Tong University (SJTU)   2023 – 2027
B.Eng. in Automation (IEEE Pilot Class); Minor in Intellectual Property Law   *Shanghai, China*

- School: Electronic Information and Electrical Engineering (SEIEE).
- Coursework highlights: Computer Vision, Robotics, Deep Learning.
- Minor coursework includes international protection of IP, anti-unfair competition law, and cyber IP law.

Research Projects

Aircraft Cabin Anomalous Sound Recognition (COMAC)   Jun 2024 – Sep 2024
Shanghai Jiao Tong University   *Shanghai, China*

- Advisor: Prof. Zhenyu Huang; Institute of Intelligent Mechatronic Systems Control.
- Problem & goal: identify and recognize anomalous aircraft-cabin sounds for engineering diagnosis and quality assurance.
- Key idea: audio preprocessing, network design, hyperparameter tuning, training/validation, and performance verification on project data.
- My Task: Built and trained deep learning models for anomalous cabin sound detection and classification.

Efficient Mixture-of-Agents with Dynamic Routing   May 2025 – Aug 2025
Shanghai Jiao Tong University   *Shanghai, China*

- Advisors: Prof. Xinyi Le and Jize Wang (PhD); status: under review.
- Problem & goal: reduce inference cost/latency in layered multi-agent collaboration while keeping quality competitive.
- Key idea: use a lightweight scorer for pre-inference agent shortlisting, then apply a mixture of judges for posterior correction and performance–cost–latency trade-off ranking.
- My Task: Trained the lightweight scorer, ran ablations, and managed experiment artifacts and metrics.

Practice Projects

Prompt Patch | *Chrome Extension (Manifest V3), JavaScript, CSS*

- One-click prompt polishing on AI chat websites via configurable model backends.
- Injects floating optimize button and settings panel near chat inputs with local-only configuration.
- Features include undo, multi-provider support, style templates, and output-language policy.
- Links: GitHub Repository, Chrome Web Store.

Skills & Honors

Natural Languages: Chinese (Native), English (CET-4: 630, CET-6: 609)
Programming: Python (Proficient), C++ (Intermediate), JavaScript/CSS (Familiar)
Scholarships & Awards: Zhiyuan Honors Scholarship (SJTU)

More About Me

Outside engineering, I enjoy track & field, law and policy reading (especially intellectual property and cyber law), running, and technology writing.