

周衡

电话 : +86 17811113340 | 邮箱 : z3251194379@gmail.com
GitHub 作品集 : [zhouheng112hub](#) | 个人主页 : [zhouheng112.github.io](#)



教育背景

宁夏大学, 计算机技术, 硕士	2022.08 - 2024.07
• 主修课程: 大数据、计算机网络、深度学习 • 研究方向: 图神经网络, 自然语言 NLP	
湖南科技大学, 物流管理(理工科), 本科	2015.09 - 2019.08
• 主修课程: 高等数学、线性代数、概率论、运筹学	

技能与证书

- AI 集成: faster-whisper, OpenAI API (文本优化、结构化处理)
- 后端: Python, Flask (轻量级 Web 架构设计、用户行为记录、异步任务调度)
- 前端: Jinja2, Tailwind CSS (响应式单页结构、转化路径设计)
- 部署与流量承接: Cloudflare Tunnel (公网发布、HTTPS、安全访问)
- 应用方向: 转化型 Landing Page、广告流量承接、用户行为数据沉淀
- 英文能力: GRE 330 分, 无障碍英文交流

工作背景

悦畅智能科技有限公司 全栈工程师	2025.06 – 至今
• 集成 AI 能力模块, 接入 faster-whisper 实现高性能语音转写, 可选对接 OpenAI API (GPT-4o-mini) 进行文本修正与繁简转换; 设计预留 LLM 接口, 用于政策检索、条款定位与合规风险提示等场景扩展。 • 负责政务智能辅助平台的后端开发, 基于 Python + Flask 构建服务架构, 实现用户鉴权、音视频上传、转写任务调度与大文件处理机制; 通过 Cloudflare Tunnel 部署, 实现本地服务公网安全访问。 • 负责前端整体设计与实现, 基于 Jinja2 + Tailwind CSS + Font Awesome 构建响应式界面与卡片式导航结构, 支持中英双语与浏览器语言自动识别, 统一整合 17 项政务工具入口与结果展示页面。 • 项目地址: https://api.cuberflow.com	

深圳南方科技大学 科研助理	2024.08 – 2024.12
• 负责数据处理工作, 整合多源原始传感器数据, 完成数据对齐、去噪及标准化处理, 为 联邦学习实验 提供稳定的数据输入支撑; • 搭建统一的数据清洗与预处理流程, 涵盖异常样本剔除、窗口划分及特征提取, 确保不同客户端数据格式统一、实验结果可复现; • 支撑论文撰写与实验复现工作, 整理实验数据及结果, 制作分析图表并提炼结论, 参与 生理信号重建任务 中的实验验证。	

招商银行股份有限公司 运营管理部客户支持	2019.09 - 2021.03
• 参与银行柜台日常业务办理与流程支持, 熟悉账户开户、交易处理、业务登记等一线操作流程, 将柜面业务逻辑梳理为 结构化数据标准 , 支撑后续数据清洗与分析工作。	

科研成果

面向面部姿态估计的结构等变自监督学习	2022.05 - 2022.10
• 论文发表: 发表于 2023 IEEE International Conference on Multimedia and Expo (ICME) • 开发面向复杂条件(如遮挡和光照变化)的面部姿态估计深度学习框架, 利用自监督与对比学习在大规模未标记视频数据上训练。 • 引入创新数据增强技术, 显著提升模型泛化能力, 在多个数据集上表现优于现有方法。 • 主导实验框架开发, 微调模型参数以提高准确性和可靠性, 尤其在处理遮挡与姿态变化方面。	

校园经历

宁夏大学大数据与人工智能实验室, 科研成员	2022.09 - 2024.09
• 参与以数据驱动建模为核心的研究工作, 协助完成算法验证与实验分析 • 参与美国密苏里州立大学交换生学习, 并参与海外软件开发项目, 在全 英文环境 下进行技术沟通与项目协作, 熟悉英文技术文档、需求讨论与开发协同流程。	

Zhou Heng

Phone: +86 17811113340 | Email: z3251194379@gmail.com
GitHub: [zhouheng112hub](#) | Website: [zhouheng112.github.io](#)



EDUCATION

Ningxia University, M.S. in Computer Technology

Aug 2022 – Jul 2024

- Core Courses: Big Data, Computer Networks, Deep Learning
- Research Focus: Graph Neural Networks, Natural Language Processing (NLP)

Hunan University of Science and Technology, B.S. in Logistics Management (Engineering Track)

Sep 2015 – Aug 2019

- Core Courses: Advanced Mathematics, Linear Algebra, Probability Theory, Operations Research

SKILLS

- AI Integration:** faster-whisper, OpenAI API (text refinement, structured data processing)
- Backend:** Python, Flask (lightweight web architecture, user behavior logging, asynchronous task scheduling)
- Frontend:** Jinja2, Tailwind CSS (responsive landing page structure, conversion-oriented layout)
- Deployment & Traffic Handling:** Cloudflare Tunnel (public exposure, HTTPS, secure access)
- Application Focus:** Conversion-oriented Landing Pages, Ad Traffic Handling, User Behavior Data Collection
- English Proficiency:** GRE 330, fluent professional communication

PROFESSIONAL EXPERIENCE

Yuechang Intelligent Technology Co., Ltd. | Full-Stack Engineer

Jun 2025 – Present

- Integrated AI capabilities by deploying **faster-whisper** for high-performance speech-to-text processing, with optional connection to **OpenAI API (GPT-4o-mini)** for text correction and Simplified/Traditional Chinese conversion; designed extensible LLM interfaces for policy retrieval, clause localization, and compliance risk analysis.
- Developed backend services for a government-oriented intelligent assistant platform using **Python + Flask**, implementing user authentication, audio/video upload, transcription task scheduling, and large-file handling; deployed via **Cloudflare Tunnel** for secure public access.
- Designed and implemented frontend architecture using **Jinja2 + Tailwind CSS + Font Awesome**, building responsive UI with card-based navigation, bilingual support, and browser language detection; unified 17 government utility tools under a single interface.
- Project URL: <https://api.cuberflow.com>

Southern University of Science and Technology | Research Assistant

Aug 2024 – Dec 2024

- Performed data processing for physiological signal research by integrating multi-source raw sensor data and conducting alignment, denoising, and normalization to support **federated learning experiments**.
- Built a unified data cleaning and preprocessing pipeline, including anomaly filtering, time-window segmentation, and feature extraction, ensuring consistent client-side data formats and **reproducible** experimental results.
- Supported academic paper writing and experimental replication by organizing datasets and results, generating analytical figures, and participating in experimental validation of **physiological signal reconstruction tasks**.

China Merchants Bank | Customer Support, Operations Management Department

Sep 2019 – Mar 2021

- Participated in daily front-desk banking operations and process support, gaining hands-on experience in account opening, transaction processing, and business registration; translated operational workflows into **structured data standards** to support downstream data cleaning and analysis.

PUBLICATIONS

Structure-Equivariant Self-Supervised Learning for Head Pose Estimation

May 2022 – Oct 2022

- Published in IEEE International Conference on Multimedia and Expo (ICME 2023)
- Developed a deep learning framework for head pose estimation under challenging conditions (e.g., occlusion and illumination changes), leveraging self-supervised and contrastive learning on large-scale unlabeled video data.

CAMPUS EXPERIENCE

Big Data and Artificial Intelligence Laboratory, Ningxia University | Research Member

Sep 2022 – Sep 2024

- Participated in data-driven modeling research, assisting with algorithm validation and experimental analysis.
- Participated in an exchange program at Missouri State University and contributed to overseas software development projects, collaborating in a **fully English-speaking environment** with experience in technical communication, documentation, requirement discussions, and collaborative development workflows.