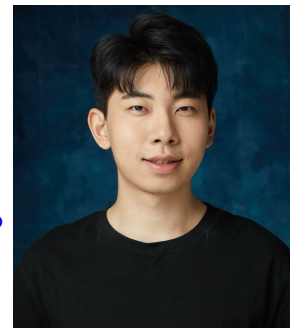


周衡

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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) 进行文本修正与精简转换；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

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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.