

JIU CHEN

✉ c.jiu@wustl.edu · ☎ (+1) 541-760-3795 · in LinkedIn · GitHub

🎓 EDUCATION

Washington University in St. Louis, MO, USA 2024 – 2025

Master of Science in Computer Science

Oregon State University, Oregon, US 2021 – 2024

Bachelor of Science in Computer Science

Northwest Minzu University, Gansu, China 2018 – 2022

Bachelor of Engineering in Electronics Engineering (EE)

👨‍🔬 RESEARCH

University of California, Merced, California, USA 2025 – Present

Research Assistant Department: Parallel Architecture, System, and Algorithm Lab

- Core contributor to **BloomBee**, a decentralized LLM serving system for heterogeneous multi-node inference with GPU/CPU offloading, distributed routing, and runtime optimization (GitHub).
- Redesigned batch-aware decode-path and memory offloading logic across the serving runtime; fixed multi-batch correctness issues in KV-cache / offloading interactions.
- Built profiling and benchmarking workflows for multi-node inference pipelines; isolated communication overhead and CPU-side bottlenecks to guide runtime optimization for distributed serving.

Video Summarization Algorithm Gansu, China 2021

Research Assistant Department: Graduate School of Lanzhou University

Brief introduction: Supported key research in video summarization by extracting and analyzing informative content.

- Assisted in tagging and categorizing video content for the graduate research team, enhancing the accuracy of video data analysis.
- Studied advanced video summarization algorithms, focusing on the extraction of meaningful clips and structural redundancy analysis.

Speech Recognition Project Zhejiang, China 2021

Research Assistant Department: Graduate School of Zhejiang University

Brief introduction: Collaborated in developing a TensorFlow-based speech recognition model for local dialects.

- Co-developed a model capable of accurately converting local dialect speech into text.
- Achieved an impressive model accuracy rate of 97% in dialect recognition and transcription.

👨‍💼 PROFESSIONAL EXPERIENCES

Washington University in St. Louis MO, US 2025

Graduate Teaching Assistant Department: McKelvey School of Engineering

- As a Teaching Assistant for CSE 132 (Intro to Computer Engineering), provided academic support during office hours, assisting students with programming, Arduino applications, and assembly language.
- Guided practical projects and enhanced the learning experience while collaborating with the teaching team to improve course communication and organization through platforms like Piazza, helping students achieve a deeper understanding and success in the course.

Garmin Ltd. Oregon, US

2023

Machine Recognition Developer Department: Electrical Engineering and Computer Science, Oregon State University

Brief introduction: Engaged as a Machine Recognition Developer in the undergraduate capstone project focusing on the RoboRacer autonomous robot designed to aid athletic training.

- Designed and implemented an Autonomous Navigation System for RoboRacer, incorporating advanced programming techniques and sensor integration for precise track line-following and lane adherence.
- Developed a sophisticated obstacle detection and avoidance system, combining various sensors and algorithms to ensure safety and adaptability in dynamic training scenarios.
- Worked collaboratively in a cross-functional team, contributing significantly to the integration and testing phases, thereby ensuring seamless operation and robust performance of the robotic system.

China Unicom., Ltd. Gansu, China

2021

Summer Internship Department: Information Security

Brief introduction: Engaged in data operation with a focus on big data model optimization and information security analysis.

- Conducted operational tuning of big data models including Tariff Sensitivity Model, User Rights Preference Model, and potential user modeling for 5G products and upgrade packages.
- Performed vulnerability analysis in information security, focusing on 5G terminal upgrade modeling and user data protection.

♡ AWARDS AND HONORS

Scholarship, Andrew C. Lim, Lim Ho Puah & Lim Peng Mau Scholarship at Oregon State University College of Engineering.

2023

Scholarship, International Student Scholarship at Oregon State University.

2023

Scholarship, Third-Class Scholarship at Northwest Minzu University.

2021

Certificate Computer Software Copyright issued by the National Copyright Administration of China.

2021

Certificate, Third Prize in China Computer Design Competition.

2021

Scholarship, Third-Class Scholarship at Northwest Minzu University.

2019