Zhou Zhipeng

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Yubei
Chongqing China

EDUCATION

Chongqing University "Project 985"   **Chongqing,China**
- Candidates for Bachelor of Engineering in Robotics or Artificial Intelligence   Sep 2023-Present
- Specialization in X Innovations,Chongqing University   WAM: 85/100
- Relevant Coursework:Probability and Statistics, Algebra, Fundamentals of Robotics, QEA, Principles of Engineering (Circuits and Embedded)Software Design, Individualized Practice (Independent Innovation and Entrepreneurship)

RESEARCH EXPERIENCE

Artificial Intelligence Laboratory, National Excellence Engineer School, Chongqing University   **Chongqing,China**
Undergraduate Researcher   Jun 2024 – Present
- Conducted research on AI-based dehazing algorithms and presented the findings at the laboratory team meeting

Tsinghua Shenzhen International Graduate School   **(Remote)Beijing,China**
Remote Research Internship   Feb 2025 – Present
- Mainly responsible for the experimental part of the large model sparsification and pruning inference algorithm
- Optimized the construction of the calibration set, evaluated the impact of weight on activation importance, and optimized the sparsity of each block

Electrical Motor Control Laboratory, National Excellence Engineer School, Chongqing University   **Chongqing,China**
Undergraduate Researcher   Mar 2025 – Present
- Mainly involved in the development of binocular vision for the automatic charging robotic arm and studied motor control for the robotic arm

PROJECT EXPERIENCE

Start-up Technology Company   **Shenzhen,China**
Process Improvement Internship   Dec 2023 – Feb 2024
- Learned to use a variety of laboratory equipment.
- A fixture for mass production of a key component designed for the product, which was later showcased at CES 2025.

China University Aircraft Design Competition   **Baoding,Hebei**
Visual and Flight Control Team Member   August 2024
- Developed visual and flight control tasks based on YOLO and PX4 on the aircraft's onboard Jetson Nano

LEADERSHIP

Xbot Park Innovation Camp 2024   **Jiangsu,China**
Team Leader   Jun 2024 – Aug 2024
- Led the entire product development process using design thinking, and developed a product demo based on user pain points by integrating AI and mechatronics technology, followed by a roadshow presentation.

Shanghai F1H2O New Energy Powerboat Challenge   **Shanghai,China**
Team Captain and Competitor   October 2024
- Led the team in independently building a new energy electric boat and competed at the Wu Song Port in Shanghai.

ADDITIONAL ACTIVITIES

Shanghai Jiao Tong University 2023 Candlelight Charity Program   **Guizhou & Yunnan,China**
Counselor and Lecturer   Jul 2023 – Aug 2023
- Provided AI awareness courses to over a hundred children

Quantitative Finance Agent Development   **(Remote)Guangdong,China**
Co-developer   Jan 2025 – Mar 2025
- Assisted in identifying strategy factors and developing core strategies.Participated in writing strategy algorithms using Python and promoted them within private domains

PUBLICATIONS & PATENTS

Pubication:(Under Review)**Zhou Zhipeng**,Liu Xiao,Dingda,He Huaicheng.2025.*Who Detects Better? A Comparative Study on Misinformation Detection by Humans and Large Language Models.*In CogSci July 30 – Aug 2, 2025

Patent:*A multi-granularity image understanding framework based on RetNet and ensemble learning* – Patent Pending in China, filed by **Zhou Zhipeng**, 2024

SKILLS

Languages: Fluent - English , Native - Chinese and Beginner - French
Awards: One National Second Prize, Multiple University-level Excellence Awards.
Technical Skills: LaTeX, Microsoft Office, MATLAB, SolidWorks, ANSYS, Altium Designer, Python, C++, Familiar with ROS, PCB Design, AI and Machine Learning, Embedded Systems, Flight Control Systems
Habbits: Captain of the Football and Badminton College Teams, Skiing, Skateboarding, Lead Singer and Vice Guitarist in a Band