

John Albert Lauron

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Education

Wuhan University

M.Sc. Robotics and Artificial Intelligence

Wuhan, Hubei

2025 – 2027

- Master's student in the Software Engineering (AI & Robotics) track, supervised by Prof. Zou.

Wuhan University

B.Sc. Software Engineering, GPA: 3.91/4.0

Wuhan, Hubei

2021 – 2025

- Awarded “Outstanding International Student of School of Computer Science, Wuhan University” for 2024–2025.
- Graduated with a Bachelor Degree in Software Engineering.

Wuhan Yangtze International School

High School Diploma

Wuhan, Hubei

Graduated 2021

Experience

China Southern Power Grid Technology (南网科技) — AI Engineer Intern

Guangzhou, Guangdong

Computer Vision & LLM Pipelines

April 2026 – Present

- Built an intelligent on-site safety monitoring pipeline using YOLO11m to detect violations (missing harness, smoking, crane hazards, fencing) across four annotated datasets.
- Developed an intelligent construction progress tracking MVP combining YOLO image classification with Qwen2.5-VL (via DashScope API) and an LLM reporting layer.
- Prepared and labeled datasets using LabelImg and the Pascal VOC XML format, following project-specific labeling guides.
- Communicated results and technical reports to Chinese-speaking colleagues, bridging engineering and cross-cultural collaboration.

Gowell Education / Storming Robots — Assistant Instructor & Program Assistant

Hong Kong Science Park

Summer Program in AI-Oriented Robotics (2 weeks)

Summer 2025

Winter Program in AI-Oriented Robotics (1 week)

February 2026

- Co-taught hands-on robotics sessions across two program sessions, helping students build and test vehicular robots.
- Supported program logistics, including student excursions and daily activity coordination.

武汉微派网络科技有限公司 — Marketing Intern

Wuhan, Hubei

March 2024 – March 2025

- Engaged overseas markets (Philippines & U.S.) through KOL collaborations.
- Identified and managed content partnerships to align with brand goals.
- Built and maintained long-term KOL relationships, tracking campaign success.
- Developed content for TikTok, YouTube, and Facebook, leveraging Filipino language and cultural insights.

Wuhan Yangtze International School — IT Summer Intern

Wuhan, Hubei

June 2022 – July 2022

- Assisted with a network switch migration upgrade and physical installation, improving performance and reliability.
- Built a knowledge base for the upgrade process and configured laptops/iPads for the new school year.

Projects

Intelligent Construction Progress Tracking Pipeline

Internship Project

- YOLO + Qwen2.5-VL + LLM pipeline that classifies site imagery and generates construction progress reports.

Intelligent On-Site Safety Monitoring System

Internship Project

- YOLO11m-based detection system for safety harness, smoking, crane, and fence violations across a multi-dataset pipeline.

Real-Time Face Attendance System

Personal Project

- Face recognition-based attendance system for real-time identification and logging.

Real-Time Local AI Voice Agent / Multi-Agent UML Generator

Personal Projects

- Built a locally-hosted voice agent for real-time speech recognition, and a multi-agent system that auto-generates UML diagrams from software requirements.

Leadership & Activities

VEX Robotics — Head Referee

Wuhan, Hubei

December 2025 – Present

- Enforced game rules and supervised matches for fair play. Certified Head Referee for VEX IQ 2024–2025 (Rapid Relay) and 2025–2026 (“Mix & Match”).

Wuhan University International Student Union — Sports Department Director

Wuhan, Hubei

September 2021 – Present

- Led the Sports Department, organizing tournaments and fitness initiatives; coordinated logistics and budgeting with university officials.

Skills & Interests

Technical: Python, C/C++, Java, JavaScript, YOLO (detection/segmentation/pose), Qwen2.5-VL, Prompt Engineering, Software Architecture, Testing, Project Management

Language: English (Native), Filipino (Native), Chinese (HSK 5 Certified)

Interests: Robotics, Coding, DJ, Basketball, Soccer, Volleyball, Ultimate Frisbee, Crossfit