Albert Ng Yu Bo

Rulang Primary School | Class of 2026
www.albertngrobotics.com |cirong@gmail.com | +65 97974298

ABOUT ME

I am a Primary 6 student who loves building robots, solving math problems, and coding. I have competed on the world stage as a **WRO Silver Medalist** and earned a **Distinction in the Raffles Mathematical Olympiad**. Currently, I am working hard to improve my skills by taking a professional **Python coding course**, where I am learning how to combine smart software with robot hardware.

CORE COMPETITION EXCELLENCE

Robotics & Engineering

- **WRO International Finals 2025 (Singapore) | Silver Award:** Represented Singapore in the Robomission Elementary category and ranked 31st globally out of 96 elite teams.
- **WRO National Finals 2025 | Gold Award & 2nd Runner Up:** Earned national awards for making my robot strong and using smart mission logic.
- **National Robotics Competition (NRC) 2024–2025:** Competed in Singapore's top robotics event two years in a row, focusing on how robots move by themselves.

Mathematics & Logic

- **Raffles Mathematical Olympiad (RMO) 2025 | Distinction:** Earned a Distinction in the Junior Category by showing elite problem-solving skills.
- **National Mathematical Olympiad of Singapore (NMOS) 2025 | Honourable Mention:** Showed strong performance in high-level math and logic challenges.

Scientific Innovation

- **Singapore Youth STEM Fair 2025 | Distinction:** Recognized for doing great work in applied science and engineering.
- **Sony Creative Science Award 2025 | Participation:** Explored how to design creative mechanical toys and learned basic engineering ideas.

TECHNICAL SKILLS & TOOLS

- **Software Mastery:** I am at the **Intermediate 4 level in Python**, where I work on code optimization and logic. My goal is to finish the Data Analytics track by the end of 2026.
- **Hardware:** I am an expert in **LEGO Spike Prime** and also have experience with VEX Robotics.
- **Communication:** I earned a **Merit in Trinity College London Grade 3 Communication Skills**, which helps me explain technical ideas clearly.

NOTABLE PROJECTS

- **WRO Robot Design:** I built and programmed custom robotic parts to solve difficult mission tasks that standard kits could not do.
- **Python Simulations:** I am using Pygame to build "smart" programs that test how robots can find their own paths and avoid bumping into things.

Scan to view Albert's WRO International Silver Medal run, official certificates, and formal recommendations from The Brainery Code.