



ONG CHONG YAO

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Aspiring Robotics Engineer, 2024 Intel AI Global Champion, and Malaysian AI Olympiad Gold medalist. Proven leadership in coaching competitive robotics teams. I'm a minimalist by lifestyle and value. Looking to make intentional connections and meaningful memories.

TECHNICAL SKILLS

- **Languages:** Python, C, C++
- **AI & ML:** PyTorch, TensorFlow, Scikit-learn, OpenCV
- **Dev:** Git, Linux
- **Tools:** Arduino, Firebase, Figma

CORE COMPETENCIES

[Problem-solving](#)[Teamwork](#)[Creativity](#)[Technical Coaching](#)

SELECTED HONORS & AWARDS

- **Gold** - Malaysian Olympiad in Artificial Intelligence (2026) [cert](#)
- **Global Champion** - Intel AI Global Impact Festival (2024) [web](#) / [cert](#)
- **Top 4** - National AI Competition (2025) [cert](#)
- **Full Marks** - Malaysian Computing Challenge (2024 & 2025) ['24 results](#) ['25 results](#)
- **Gold** - International Science and Invention Fair (2023) [cert](#)
- **Best in Automation & AI** - STEM Innovation Showcase (2023) [cert](#)

WORK EXPERIENCE

- **AI Developer | RedTone** Freelance
 - Engineered 'eAduan', an AI-powered complaint-routing application for the Malaysian Government to improve public service response times.
 - Developed 'ChatMBPP', a Large Language Model (LLM) interface providing public access to the Malaysian knowledgebase.
- **AI & Robotics Intern | Tech Dome Penang** Apr 2025 → Aug 2025
 - Developed internal AI-driven solutions and served as a key robotics developer for the 2025 Roboquest competition.
 - Coached the SMK Jelutong team to a 1st Place victory in the 2025 Roboquest competition, outperforming international teams.

EDUCATION

- **University College Dublin**
Bachelor of Engineering Sep 2026 → Present
- **INTI International College Penang**
Cambridge A-Levels Jan 2025 → Jun 2026
- **Han Chiang High School**
Cambridge IGCSE O-Levels Aug 2020 → Dec 2024
- **Wesley Methodist School Penang (International)**
Cambridge Primary Checkpoint Sep 2018 → Aug 2020
- **SJK(C) Sin Min (A)**
Primary School Standard Curriculum Jan 2015 → Aug 2018

LEADERSHIP & ACTIVITIES

- **Exhibitor & Presenter**
 - Presented award-winning projects to Prime Minister Anwar Ibrahim at the Launch of Malaysia National AI Office and AI Untuk Rakyat Event [\[1\]](#) [\[2\]](#) [\[3\]](#)
 - Founder & Vice President, Competitive Programming Club, INTI College Penang (2025).
- **Han Chiang High School**
 - Internal Advisor, Makers Club (2024).
 - Graduation Committee (Photography).
 - Recipient of Scholarship for Sports and Talent (2023 & 2024).
- **Wesley Methodist School**
 - President, Polemics Club (2020). [cert](#)
- **Volunteer Computing**
 - Contributed resources to the Folding@home network to aid disease research. [profile](#)
- **Young Founders Summit** [cert](#)

LANGUAGES & HOBBIES

- **Languages:** English, Chinese, Malay
- **Hobbies:** Triathlete, Photography [Instagram](#)