



ONG CHONG YAO

- ✉ o.chongyao@gmail.com
- in [linkedin.com/in/ocyao](https://www.linkedin.com/in/ocyao)
- 🐙 github.com/ochongyao

Aspiring Robotics Engineer and 2024 Intel AI Global Impact Festival Global Champion. Experienced in developing Python-based machine learning models, LLM integrations, and web applications. Passionate about leveraging technology to solve real-world community problems, with proven leadership in coaching competitive robotics teams.

TECHNICAL SKILLS

- **Languages:** Python, C, C++, HTML5, CSS3
- **AI & ML:** PyTorch, TensorFlow, Scikit-learn, Pandas, OpenCV
- **Dev:** React, Flutter, Git, Linux
- **Tools:** Arduino, Firebase, Figma

CORE COMPETENCIES

Problem-solving

Leadership

Creativity

Technical Coaching

Public Speaking

SELECTED HONORS & AWARDS

- **Gold** - Malaysian Olympiad in Artificial Intelligence (2026) [cert](#)
- **Global Champion** - Intel AI Global Impact Festival (2024) [cert](#)
- **Top 4** - National AI Competition (2025) [cert](#)
- **Full Marks** - Malaysian Computing Challenge (2024 & 2025) [2025](#) [2024](#)
- **Gold** - International Science and Invention Fair (2023) [cert](#)
- **Best in Automation & AI** - STEM Innovation Showcase (2023) [cert](#)
- **Recipient (Incentive)** - 'Best! Anak Penang: Skim Insentif Kecemerlangan Bakat Muda Pulau Pinang' (2023)

WORK EXPERIENCE

- **AI Developer | RedTone × TechQuestPG** 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

- **INTI International College Penang** Jan 2025 → Present
Cambridge A-Levels
- **DISTED College × Han Chiang High School** Jun 2023 → Feb 2025
Introduction to Computer Science
- **Han Chiang High School** Aug 2020 → Dec 2024
Cambridge IGCSE O-Levels
- **Wesley Methodist School Penang (International)** Sep 2018 → Aug 2020
Cambridge Primary Checkpoint
- **SJK(C) Sin Min (A)** Jan 2015 → Aug 2018
Primary School Standard Curriculum

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 BOINC (Amicable Numbers) and Folding@home to aid disease & mathematical research.
- **Young Founders Summit** [cert](#)

LANGUAGES & HOBBIES

- **Languages:** English (Fluent), Chinese (Fluent), Malay (Intermediate)
- **Hobbies:** Distance running, Photography, Music