ONG CHONG YAO

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- **Portfolio:** bento.me/ocy

TECHNICAL SKILLS

- **Programming languages:** Python, C, C++, HTML5, CSS3
- **AI & Machine Learning:** PyTorch, TensorFlow, Scikit-learn, Pandas, Seaborn, OpenCV
- **Web & Mobile Development:** React, Flutter
- **Embedded Systems:** Arduino
- **Tools & Platforms:** Git, Linux, Firebase, Figma

CORE COMPETENCIES

- Problem-solving & Leadership
- Creativity & Attention to detail
- Presentation, Coaching & Crowd handling

LANGUAGES

- English (Fluent)
- Chinese (Fluent)
- Malay (Intermediate)

INTERESTS

Distance running, photography, listening to music.

EDUCATION

- **INTI International College Penang**
  Cambridge A-Levels
  Jan. 2025 - Present

- **Han Chiang High School**
  Cambridge IGCSE O-Levels
  Aug. 2020 - Dec. 2024

- **Wesley Methodist School Penang (International)**
  Cambridge Primary Checkpoint
  Sept. 2018 - Aug. 2020

- **SJK(C) Sin Min A**
  Primary School Standard Curriculum
  Jan. 2015 - Aug. 2018

ADDITIONAL COURSES

- **Introduction to Computer Science, DISTED College (2 years)** — Jan. 2023 - Dec. 2024

WORK EXPERIENCE

- **Freelance AI Developer | RedTone x TechQuestPG**
  - Engineered 'eAduan', an AI-powered complaint-routing application for the Malaysian Government, improving efficiency in public service response.
  - Developed 'ChatMBPP', a Large Language Model (LLM) designed to provide public access to the Malaysian public knowledgebase, enhancing information accessibility.
- **AI and Robotics Intern | Tech Dome Penang** — Apr. 2025 - Aug. 2025
  - Contributed to the development and enhancement of internal AI-driven solutions.
  - Served as a key robotics and technology developer for the international 2025 Roboquest competition.
  - Successfully coached the SMK Jelutong team to a 1st place victory in the 2025 Roboquest competition, outperforming international teams.

VOLUNTEER EXPERIENCE

- **Distributed Computing for Scientific Research**
  - Volunteered computational power to the Folding@home network, aiding in the simulation of protein folding to combat global diseases. [1] [2]
  - Contributed computing resources to the Amicable Numbers project on the BOINC platform, providing to a global effort in mathematical discovery. [1]

ACHIEVEMENTS & ACTIVITIES

*some certificates / references are yet to be added
2025:

1. Exhibitor at the Launch of Malaysia National AI Office event. Presented global award winning project to P.M. Anwar Ibrahim. [1] [2] [3]
2. Founder & Vice President of the Competitive Programming Club in INTI College Penang
3. Top 10 in the International Olympiad in Artificial Intelligence selection round cert
4. Malaysian Olympiad in Artificial Intelligence - Silver Award [1] cert
5. Top 4 in the National AI Competition cert
6. Python Discord Code Jam 12 Qualified [1]

2024

1. Intel AI Global Impact Festival - Global Champion [1] [2] cert
2. Presented 2023 Intel Malaysian champion project to P.M. Anwar Ibrahim at the AI Untuk Rakyat Event [1] [2] [3] [4] [5]
3. MYCentre4IR AI Impact Challenge - Second Place [1] [2] [3] cert
4. Malaysian Computing Challenge - Gold Award [1] cert
5. Kuiz Kimia Kebangsaan Malaysia - Merit Award [1]
6. Recipient of Han Chiang High School - Scholarship for Sports and Talent for 2023 and 2024
7. Han Chiang High School
   - 2024 Graduation - Outstanding Performance of the Year
   - Makers Club - Internal Advisor

- Graduation (Photography) Committee
- Head of Multimedia for Class

8. Penang Bridge International Marathon (10km Junior Boys) - 171/524 [cert]
9. XMUM Cup Physics Competition for Secondary School
10. Monash Rainforest Conservation Program

2023

1. Intel Global AI Impact Festival - Territory/Country Winner [1] [cert]
2. International Science and Invention Fair - Gold Award [cert]
3. Intel Malaysia Building Digital Readiness Program (AI Impact Creators) - Champion [1] [2] [cert]
4. Malaysian Computing Challenge - Silver Award [1] [cert]
5. STEM Innovation Showcase - Best in Automation & AI [cert]
6. Han Chiang High School Makers Club - Executive Committee Member [1]
7. STEM Showcase 2023:
   - Event Coordinator PA
   - Exhibitor & Event Techical Support [cert]
8. Design Engineer Construct (DEC) competition - Top Finalists [cert]
9. Han Chiang High School:
   - Scholarship for Sports and Talent 2023
   - Assistant Multimedia for Class
   - English Book Review Contest - Consolation Award
10. Recipient of 'Best! Anak Penang: Skim Insentif Kecemerlangan Bakat Muda Pulau Pinang' [1]
11. Malaysian Youth Taiwan Study Tour

2022

1. International Science and Invention Fair (ISIF) - Bronze Award [cert]
2. Young Innovators Challenge (YIC) - Silver Award
3. Grand STEM Challenge (GSC) Mobile App Development - Finalist (top 5 award) [cert]
4. STEM Showcase - Exhibitor
5. Han Chiang High School English Book Review Contest - Consolation Award
6. Makers Club Regular Expression and Networking Programming
7. Penang International Science Fair

2020

1. Wesley Methodist School Penang (International) - President of the Polemics Club [cert]

2019

1. American Mathematics Olympiad
2. Beaver Computational Thinking Competition - Honorable Mention
3. Scholastic Lexile Challenge 2019
4. Wesley Methodist School Penang (International):
   - Leadership Camp Programme
   - Science Exhibition for Electric Car - Exhibitor
5. Penang International Science Fair 2019

2018

1. Wesley Methodist School Penang (International) - Most Helpful Student Award
2. National Robotics Competition (Primary School) - 3rd Place [1]
3. SJK(C) Sin Min A Science Competition - 5th Place
4. SJK(C) Sin Min A Sports Day (Mixed Games) - Highest Improvement Award

2017

1. STREAM International Robot Competition - 2nd Place
2. Move 4 Health Fun Run - Finisher
3. SJK(C) Sin Min A English Writing Competition - 3rd Place
4. Hair Donation Colouring Competition - First Place

2016

1. STREAM International Robot Competition - 2nd Place
2. SJK(C) Sin Min A - 2nd Position in Class Trophy
3. SJK(C) Sin Min A Sports Day (Mixed Games) - Silver Medal