

# Low Yu Xuan

Penang, Malaysia

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## Personal Profile

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A Computer Science student specializing in backend development and competitive programming. Leader of various clubs and events with strengths in problem solving and people relations. Seeking opportunities to apply technical expertise in innovative software solutions and artificial intelligence systems.

## Education

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**Institution Name:** INTI International College Penang

**March 2025 – Present**

**Course:** Cambridge A Levels (Intake Representative)

**Subjects:** Pure Mathematics (9709), Further Mathematics (9231), Physics (9702), Chemistry (9701)

**Institution Name:** Chung Ling High School Penang

**January 2020 – December 2024**

**Course:** Computer Science

**Academic Achievement:** Sijil Pelajaran Malaysia (9A+, 1A), Class Rank (Top 1), Year Rank (Top 2)

## Leadership Experience

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**Chief Executive, International Student Camp (Science and Technology Symposium) Sep 2023 – Aug 2024**

- Organised an international exchange camp for 150+ participants from 11 schools across 6 countries
- Led the planning and execution of a 6-day international student camp
- Led the whole camp as the main speaker and coordinator with the assistance of 30 committee members

**Vice President, i-CreatorZ Club (Maker's Club)**

**Jul 2023 – September 2024**

- Streamlined club operations and communication channels, increased member engagement by 30%
- Directed 2 projects (RankSys, Club Website) to improve accessibility and outreach.
- Coordinated 30 committee members and 100 club members for events

## Skills

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- **Hard Skills:** Event Planning and Coordination, Team Management and Leader, Public Speaking, Backend Development, Database Management, Document Management
- **Soft Skills:** Creative Thinking, Problem Solving, Effective Communication, Critical Thinking
- **Technical Skills:** HTML, CSS, JavaScript, Python, C++, PHP, SQL, Flutter, Django, REST API, MVC

## Awards and Honors

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- Malaysia Artificial Intelligence Olympiad – **Gold** (2025)
- Kuiz Kimia Kebangsaan – **Cemerlang** (2024)
- Chung Ling High School Penang – **Best Graduate** (2024)
- Malaysia Computing Challenge – **Gold** (2024), **Bronze** (2023)
- Malaysia Computing Olympiad – **Silver** (2024)
- Kangaroo Math Competition – **Gold** (2024), **Silver** (2023)
- Singapore & Asians Math Olympiad – **Silver** (2024), **Bronze** (2023, 2022)
- California Informatics Competition (CALICO) – **Silver** (Fall 2024)
- Kem Kepimpinan Murid Peringkat Kebangsaan – **Best Camper** (2022)

## Certification

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- Information Technology and Computer Science from MCKL College (CS1101), Grade A **Aug 2024**

## Projects

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### Generative User Interface for Differential Evaluation via Symptom Analysis and Record Keeping

- Frontend application written in Flutter using clean code architecture for readability
- Backend application written using modern framework Django and provide Rest API services, applying SoC design principle
- Applied Artificial Intelligence (AI) to analyze symptoms and provide quick diagnoses

### Maker Kehadiran

- A fully fledged attendance system with encrypted authentication and admin panel as final year project
- Built using PHP and a self-implemented MVC framework to allow for high reusability