

# Di-nan (Daman) YANG

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Guangzhou, Guangdong, P. R. China

## EDUCATION

**B.Eng. in Robotics Engineering, Minor in Law (LL.B.), South China University of Technology, Shien-Ming Wu School of Intelligent Engineering; 2024 – 2028**

- Modules: Artificial Intelligence; C++ Programming; Python Programming; Electrical and Electronic Technologies
- Practice: Traffic Detection System with YOLO; Robot Lab; Circuits Experiments
- Head of a tech start-up in SCUT Incubator

## EXPERIENCE

**CITATEK Co., Ltd. Tech Start-up, CEO & Founder & Chief Engineer; Aug 2024 - present**

- Completed the establishment and took full charge of the work on R&D, marketing etc.
- Leading a team of 10 to work on AIoT Smart Hardware company's other business (software outsourcing etc.)
- Overseeing the R&D Dept. to carry out both hardware and software development in AIoT project
- Representing the company to participate in activities about fundraising and business (Global Sources HK Shows etc.)

**Smart Transport Lighting System Research Program, Student Researcher; Mar 2025 - present**

- Taking charge of the Communications and Embedded Systems parts and playing one of the key roles in the team
- Collaborating with teammates and keeping in touch with the enterprise-side guests

**Computer & IT Association at Sun Yat-sen Memorial Secondary School, Founding President; Jul 2022 - Sep 2023**

- Completed the establishment and served as the chief lecturer
- Led the team to participate in several activities (Charity bazaar, Student Carnival etc.)
- Developed software programs and guided members to study knowledge of IT and programming

## PROJECTS

**AIoT Smart Keyboard and Related Hardware; Jul 2025 - present**

- A company project which aims at building a AI + IoT hardware eco-system in desk space
- Led the technical architecture design and selection, and carried out the marketing affairs and POC
- Currently leading R&D and working on Embedded Systems and PCB Design at the stage of EVT
- Technical stack: ESP32, ESP-IDF, OpenThread, IEEE 802.15.4 etc.

**Smart Transport Lighting System; Mar 2025 - present**

- Designed a LAN-based Long-range Topological Architecture, achieving a safe and efficient communication method
- Currently carrying out the optimization and testing more deeply
- Technical stack: ESP32, STM32, LoRa, Arduino, FreeRTOS/Linux, Java Web, SpringBoot, WebSocket

**One-stop Online Campus Platform; Jul 2022 - Sep 2022**

- A online platform allowing students and teaching staff to post, announce, issue, query anything
- Technical stack: Service (Java, SpringBoot, MySQL); Web (Vue.js); WeChat mini-program (WXML)
- Won the 1<sup>st</sup> prize in the National Student Information Literacy Improvement Activity held by Ministry of Education

## SKILLS AND INTERESTS

**Coding Skills:** Knowledge in C++, Java, Web, Python

**Engineering Skills:** Web/Network Development, UI/UX, Embedded Systems, PCB Design, 2D/3D Design

**Languages:** Mandarin Chinese (native), English (CET-6, English-Medium-Instruction undergraduate), Cantonese

**Volunteering:** Harvard-SCUT China Tour in Guangdong (Student Assistant), Guangzhou Metro (Station Guide)

**Interests:** Guitar, badminton, photographing and filming

**Societies:** Student Press, Admissions Association, Federation of Student Associations