

Daman Di-nan YANG

wi_daman@mail.scut.edu.cn | damanyeung@outlook.com | +86 180-2480-4888

Guangzhou (Canton), Guangdong, P. R. China

LinkedIn: <https://www.linkedin.com/in/damanyeung>

GitHub Profile: <https://daman-yang.github.io>

Feishu/Lark Profile (Dynamic update): <http://damanyang.citatek.cn>

EDUCATION

B.Eng. in Robotics Engineering, Minor in Law (LL.B.)

Sep 2024 - Jul 2028

South China University of Technology (SCUT, Proj. 985)

- Modules: C++ Programming: 4.0/4.0; Python Programming: 4.0/4.0; Engineering Math: 4.0/4.0
- English Medium Instruction (EMI); College English Test Level 6 (CET-6 587)
- Course Practice: Traffic Detection System with YOLO; Vision-based Logistics Grasper Robot Vehicle with RL

PUBLICATIONS & PATENTS

1. LI Xiangzhi, BAI Feng, WU Zhuoqi, ZHANG Tingyu, WU Jiahong, **YANG Dinan**, LU Shaofeng (2026). Intelligent Perception-based Accompanying Control System for Energy-saving Smart Streetlights. **Under Review at *Journal of Computer Applications* (CSCD, PKU Core).**

2. **Dinan YANG** et al. (2026). Multimodal Intelligent Perception-Based Long-Range Smart Road-Lighting System. **In Preparation targeting SCI Q3.**

3. Chinese Invention Patent: [Inventors] LU Shaofeng, **YANG Dinan** et al. [Applicant] SCUT. A LoRa-Based Long-Range Network-Free Topology Bidirectional Communication Method. **Accepted for Filing by CNIPA.**

4. Chinese Utility Patent: [Inventors] **YANG Dinan**, LU Junjie, XUE Jinghao et al. [Applicant] Turinno Guangzhou Inc. A Magnetically Detachable Interactive Touch Module and Structure for Keyboards. **Ready to submit.**

EXPERIENCE

Founder, CEO, Product Lead

Aug 2024 - Present

Turinno Inc. & CITATEK ZS CO., LTD. (at SCUT Incubator)

- Completed the establishment and took full charge of the work on corporate business and R&D.
- Leading a team of 10 to work on AIoT Smart Hardware and company's other business (software outsourcing etc.).
- Overseeing the R&D Dept. to carry out the development on software, hardware, and industrial design.
- Representing the company to participate in activities about fundraising and business (Global Sources HK).
- Preparing to launch the first product on CES 2027 and Kickstarter.

Team Leader

Jun 2026

China-U.S. Young Maker Competition, Shenzhen Division

- Led the Turinno team to participate and developed products of the proactive ambient AI hardware.
- Present and pitch the Turinno EchoBoard and Turinno Intelligence. Advanced to semi-final.

Student Researcher PIC (Person-In-Charge)

May 2026 - May 2027

National Training Program of Innovation and Entrepreneurship for Undergraduates

Advised by Prof. LU, Shaofeng, South China University of Technology

- Person-In-Charge of the project; taking charge of the R&D on Communications, Embedded Systems, Cloud Service.
- Collaborating with teammates, keeping in touch and giving the pitch with the enterprise-side staff.

Startup Participant & Team Leader

Apr 2025

The Chinese University of Hong Kong, Shenzhen x PAVD Entrepreneurial Boot Camp

- Studied the themed lectures on pitching, fundraising, partner's relations given by Prof. Chau of EMBA@CUHK.
- Leading the team to reconstruct the pitch deck and give a pitch about the Turinno.

Founding President & Chief Lecturer

Jul 2022 - Sep 2023

Computer & Info Tech Association at Sun Yat-sen Memorial Secondary School

- Completed the establishment and gave lectures to the members.
- Led and participated in activities, finishing a 100K-CNY business closed loop by developing brick set product.
- Developed several software programs and guided members to study knowledge of IT and programming.

PROJECTS

AIoT Smart Keyboard & Bar Integrated with Proactive Agentic Assistant

Jun 2025 - Present

- A startup project which aims at building an AI + IoT hardware eco-system in desk-space.

- Implementing a wireless low-profile mechanical keyboard with top-tier industrial design that works with Thread, a smart interactive bar equipped with a display and mic supporting voiceprint-based auto recording and smart shortcuts, and a proactive agentic assistant supporting speech analysis & summary and MCP execution such as email, notification etc. in the forms of App, Cloud, and Edge OS.
- Technical stack: ESP32, ESP-IDF, Nordic nRF, OpenThread, Bluetooth, React Native, Node.js, Agent dev etc.
- Software copyrights: 1 granted, 2 submitted; Patents: 2 in preparation.

Perception-based Accompanying Smart Lighting System

Mar 2025 - Present

- Designed a Long-range Communication Topological Architecture, achieving the safe and efficient communication.
- Implemented the vision-based vehicle detection and environment sensing to adjust the brightness automatically and achieve the accompanying lighting control, supporting remote control and data synchronization.
- Preparing to deploy and test the system on real roads to collect more data and optimize the algorithms.
- Technical stack: ESP32, STM32, LoRa, Arduino, FreeRTOS, Java Web, SpringBoot, WebSocket.
- 2 invention patents filed (second author), 1 paper submitted to JOCA (CSCD, PKU Core).

Robotic Process Automation (RPA) for Community Healthcare Center

Jan 2026 - May 2026

- Turinno Guangzhou Inc. x Guangzhou Ruiyuan Tech Co., Ltd. at Pazhou Lab (Guangdong Artificial Intelligence and Digital Economy Laboratory) Co-work Project of Medical Big Data.
- Utilizing web software, RPA tools, and AI to implement data cleaning and auto writing to City Health Database.
- Technical stack: Java, SpringBoot, Python, Selenium, DeepSeek API, MySQL.

Vision-based Logistics Grasper Robot Vehicle (Engineering Innovation coursework)

Mar 2026 - Jun 2026

- Leader of the project, led the design and selection of the robot. Developed the embedded and electronic control.
- Implemented a robot with Mecanum Wheels that can grasp and place target items automatically via vision ML.
- Technical stack: Mech. design, ESP32, Linux on RK3588S, Python, YOLO, NN & ML on RK platform.

One-stop Online Campus Platform (During High School)

Jul 2022 - Sep 2022

- Won the 1st prize in the National Student Information Literacy Improvement Activity held by Ministry of Education.
- An online platform for students and staff to post, announce, issue, query anything via Web + Mini-program.
- Implemented functions of forum, student data management, excel parsing, requirement collection etc.
- Technical stack: Service (Java, SpringBoot, MySQL); Web (Vue.js); WeChat mini-program (WXML).

SKILLS & INTERESTS

Coding Skills: C/C++, Java, Web, JS/TS, Python, SpringBoot, Vue.js, React Native

AI Use: Vibe Coding (Claude Code, Copilot Pro), Agent (Minimax Agent, Manus), Chat Bot (ChatGPT, Qwen)

Engineering Skills: Web/Software Development, UI/UX, Embedded Systems, 2D Design

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

Volunteering: Student Assistant of Harvard-SCUT China Tour in GBA, Guangzhou Metro Station Guide

Societies: Student Press, Admission Affairs Association, Union of Student Associations, Computer & IT Assoc.

Activities: CUHK-SZ Entre. Boot Camp, Canton Fair (Exhibitor), Global Sources HK Shows (Audience) etc.

BRIEF INTRODUCTION

I regard myself as a product innovator with consistent and multi-faceted background – **solid engineering capabilities and an integrated mindset of product, design, and business**. I've been learning programming since 11, completely driven by my personal interest. My journey of innovation started in my Senior High. **Conducting survey on campus service, developing online platform for school, founding an IT Student Association, winning 1st prize in the MoE-held national-level competition, and finishing a business at the final amount of 100K CNY**, these are the most extraordinary things that I've done during my high school. Right after I finished the College Entrance Examination (Gaokao), I walked onto the pathway of startup and is currently studying Robotics and Law(Minor) at South China U of Tech. Here at SCUT, I've been improving my technical and business capabilities. I've participated in several academic researches and enterprise projects. Also, I attended many activities about innovation and startup, such as Canton Fair, XbotPark activities, CUHK-SZ Boot Camp, HKUST(GZ) INNOTECH etc.

I would like to describe myself that, I am born to be a startup founder, and my growth of my first 18 years are naturally guiding me to become that. I'm devoted to nothing but innovating. I believe that life is full of passion and you only live once. Looking forward to meeting with you someday!