

Daman Di-nan YANG

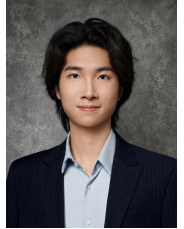
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GitHub Profile: <https://daman-yang.github.io>



EDUCATION

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

Sep 2024 - Jul 2028

South China University of Technology (SCUT, Proj. 985, Top 30 in China)

- GPA: 3.43/4.0 | Sel. Courses: C++ Programming: 4.0/4.0; Python Programming: 4.0/4.0; Intro to Engineering: 4.0/4.0
- **IELTS 7.5** (R 9.0); English Medium Instruction (EMI); CET-6 587
- Course Practice: Car-plate Recognition System with YOLO; Vision-based Logistics Grasper Robot Vehicle with ML

Summer School, Embodied Intelligence and Robotics

Aug 2026

Technical University of Munich (TUM)

- Studied EI and robotics in MIRMI and TUM; Took leadership and obtained the highest score in the final presentation (1/30).

PUBLICATIONS & PATENTS

Journal(s):

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 Highway and Transportation Research and Development* (CSCD, PKU Core).**^{proj.2}

2. **Dinan YANG** et al. (2026). Multimodal Intelligent Perception-Based Long-Range Smart Road-Lighting System. **In Preparation targeting SCI Q1.**^{proj.2}

Patent(s):

1. 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.**^{proj.2}

2. 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. **Accepted for Filing by CNIPA.**^{proj.1}

EXPERIENCE

Founder, CEO, CTO, Product Lead

Aug 2024 - Present

Turinno Limited / Turinno Inc. (at SCUT Incubator, under review at HKSTP) <https://turinno.co/about>

- Took full charge of the corporate business and product. Leading an R&D team of 10 to work on AIoT Smart Hardware.
- Overseeing the R&D Dept. team composed of innovators from SCUT, HKUST(GZ), Lehigh U, SEU etc.
- Investigated market by business activities e.g. Global Sources HK. Currently undergoing the **trial production verification**.
- Preparing to launch on CES 2027 and Kickstarter. **Qualified at Eureka Park Startup Zone in CES 2027 (~1200 per year).**
- Under an **angel round** of financing at a **valuation over HKD 10 Million**. Entered interview of **MiraclePlus** (YC China).

Student Researcher 1st-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 Embedded Systems, Cloud Service etc. (see PROJECTS Part)
- Collaborating with teammates, keeping in touch and giving the pitch with the enterprise-side team.

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.
- Presented the Turinno EchoBoard and Turinno Intelligence. **Advanced to semi-final.**

Startup Participant & Team Leader

Apr 2025

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

- Studied the themed lectures on pitching, fundraising, partner's relations given by Prof. Chau from 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 for school and won a national IT competition held by Ministry of Education.

PROJECTS

¹**AIoT Smart Keyboard & Bar Integrated with Proactive Agentic Assistant: CTO & SDE** 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 proactive 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. Our manufacturing partner is the same as OpenAI Codex Micro keyboard.
- Technical stack: ESP32, ESP-IDF, Nordic nRF, OpenThread, Bluetooth, TinyML, React Native, Node.js, Agent dev etc.
- Patents: 1 submitted, 1 in preparation; Applying for iF Design Award and Red Dot Design Award.

²**Perception-based Accompanying Smart Lighting System: Researcher** 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.
- I take charge of the embedded, communications and cloud functions. Preparing to deploy on roads and collect more data.
- Technical stack: ESP32, STM32, LoRa, Arduino, FreeRTOS, Java Web, SpringBoot, WebSocket.
- 2 invention patents filed (2nd & 3rd author), 1 paper under review.

³**Robotic Process Automation (RPA) for Community Healthcare Center: Leading SDE** 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. Total data: ~6000 records, with correct rate of over 98%.
- Utilized web backend, RPA tools, and LLM API to implement data cleaning and auto writing to GZ City Health Database.
- Technical stack: Java, SpringBoot, Python, Selenium, DeepSeek API-based data cleaning, MySQL.

⁴**Vision-based Logistics Grasper Robot Vehicle (Engineering Innovation coursework): Leader** Mar 2026 - Jun 2026

- Led the design and selection of the robot. Developed the embedded and electronic control functions.
- Implemented a robot with Mecanum Wheels that can grasp and place target items automatically via vision ML.
- Final achievement: grasping and placing 6 items within 5 min, with the error of placing less than 4mm.
- Technical stack: Mech. design, ESP32, Linux on RK3588S, Python, YOLO, NN & ML on RK platform.

⁵**One-stop Online Campus Platform (During High School): Leader & SDE** 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 forum, student data management, excel parsing, campus advice collection etc. Total data: ~10K records.
- 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

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

AI Skillset: Claude Code, DeepSeek Harness, ChatGPT, Simple Agent Dev

Languages: English (IELTS 7.5, R 9.0; EMI; CET 587), Mandarin Chinese (native), Cantonese

Volunteering: Student Assistant of Harvard-SCUT China Tour in GBA, Media Volunteer of XPeng P7+ Launch Event

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

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

BRIEF INTRODUCTION

I regard myself as an 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 MoEDU-held national IT competition, and finishing a business at the final revenue 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/course 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 an innovative person. I'm devoted to nothing but innovating. Looking forward to meeting with you someday!