



TRẦN HỮU HOÀNG LONG

third-year student

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Profile

Entrepreneurial technology leader and Computer Science student with a strong passion for solving complex real-world challenges through **AI, IoT, and embedded systems**. Experienced in driving **end-to-end projects** – from ideation, design, and implementation to team coordination and deployment. Recognized for leadership in competitions, social initiatives, and research-driven innovation. Seeking to apply technical expertise and entrepreneurial mindset to build impactful solutions at scale.

Education

Ho Chi Minh City University of Technology-VNU **Bachelor of Computer Science** 2023 – Present

Bachelor of Computer Science at Ho Chi Minh City University of Technology-VNU, specializing in Computer Vision and Image Processing. I apply my academic knowledge to projects in AI and IoT, driven by a passion for creating practical technologies that improve lives and generate social impact.

Entrepreneurial & Leadership Projects

AIoT for Classroom Behavior Analysis and Curriculum Optimization - Intel AI Fundamental Training (2025) 7/2025 - In Progress

- **Founder & Lead Developer:** Designed, trained, and deployed edge AI models (YOLOv8n + OpenVINO) for real-time student behavior recognition.
- Developed a scalable system to support teachers with behavior insights and curriculum adjustments.
- Recognized by Intel for innovation with potential educational impact.

Agricultural Drone Platform – Advanced Computing Lab (2025) 2025 - In Progress

- **Project Leader:** Built an **open-source drone platform** integrating AI for automated pesticide spraying.
- Collected & analyzed geospatial data to optimize flight paths, reducing chemical use and increasing efficiency for farmers.
- Established teamwork pipelines and led multidisciplinary collaboration between software and hardware teams.

Robocon ORC Competition (2025) 6/2025 - 7/2025

- **Mechanical & Strategy Lead:** Designed and operated robots for national robotics contest.
- Drove team into **semifinals on first participation**, demonstrating leadership in problem-solving and competitive resilience.

Professional Experience

Sunwah English Education

CEO's Secretary (Part-time)

2025 – Present

- Acted as a **strategic extension of the CEO**, translating vision into actionable business strategies and ensuring execution across teams.
- **Built the company's marketing team**, driving brand visibility and aligning campaigns with corporate strategy.
- **Managed investor relations and strategic partnerships**, engaging with key stakeholders including **VinaCapital, KBank, and ACCA** to support fundraising, partnerships, and financial planning.
- Represented the CEO in **partner communications and negotiations**, strengthening networks with investment firms, banks, and academic institutions.
- Contributed to **organizational growth initiatives**, ensuring alignment between business strategy, operational execution, and stakeholder expectations.

Skills & Certifications

Languages & Communication

English (IELTS 6.5): Fluent in professional communication, effective in negotiations, presentations, and cross-cultural collaboration.

Certified Productivity Tools

Microsoft Office Specialist (MOS): Excel – Certified in advanced data analysis, financial modeling, and project management.

Microsoft Office Specialist (MOS): PowerPoint – Certified in professional presentation design, data storytelling, and persuasive communication for technical and business audiences.

AI Fundamental and Application training program (Intel Product Vietnam) – Certified in AI, data literacy, modeling and computer vision.

Programming & Development

- **Competent:** C, C++, Python
- **Intermediate:** Java (with strong adaptability to acquire new programming languages quickly).
- Experienced in **embedded systems & microcontrollers** (STM32, Arduino, ESP32, UP4000).
- Proficient with **version control** using Git & GitHub for collaborative development

Artificial Intelligence & Tools

- Applied **AI & Computer Vision** for real-world projects (YOLOv8, OpenVINO, Edge AI deployment).
- Hands-on experience with **embedded AI integration** on microcontrollers and edge devices.

Leadership & Soft Skills

- **Leadership:** Proven leadership through managing project teams (currently leading a 6-member research group) and coordinating volunteer organizations since high school.
- **Teamwork:** Strong record of cross-functional collaboration in competitions, research labs, and community initiatives.
- **Strategic Thinking:** Skilled in aligning technical solutions with business outcomes, particularly in educational AI and agricultural technology.
- **Public Communication:** Experienced in pitching technical projects, presenting to stakeholders, and representing executives in partner meetings.

Leadership & Community Impact

Vice Head of Organizing Committee – Xuân Tình Nguyễn 2024

Phó ban tổ chức

12/2023 – 1/2024

- Directed volunteer teams, organized fundraising via community sales, successfully financing meals for charity kitchens.
- Strengthened leadership, team coordination, and social entrepreneurship mindset.