Chao-Chi Huang [(+886)958-968-239] | [mygoodchao@gmail.com]

PhD Candidate, Imperial College London | Senior Cross-Disciplinary Integration Consultant | System Solutions Architect

【Core Value: Insight & Inquiry】

"Technology evolves with time, but the logic of problem-solving remains timeless. My value lies not in writing every line of code, but in the experience and vision to 'ask the right questions.' I excel at clarifying direction amidst chaos, defining key issues, and integrating expert resources to find the optimal solution."

■ Executive Summary

* **Forward-Looking Technology Researcher:** Engaged in pioneering PhD-level research on "Autonomous Vehicle Self-Driving" at Imperial College London in the 1990s. Although the degree was not finalized due to hardware limitations of the era, demonstrated early mastery of Computer Vision and Positioning Systems, possessing a technical vision ahead of its time.

* **Senior Project Solution Architect:** Expert in managing ambiguous and complex large-scale projects. Spearheaded critical missions such as the Ministry of National Defense's permanent archive digitization and CHEM(Chung-Hsin Electric & Machinery)'s System-on-Chip (SoC) National Project, demonstrating the ability to engage with C-level executives and coordinate across departments.

* **Continuous Learning Leader:** Possesses exceptional capability in absorbing and transforming new knowledge. Recently focused on AI (Deep Learning, LLM), Cloud Architecture (AWS/GCP), and IoT technology, practically applying them in agricultural settings to demonstrate "technology implementation" capabilities.

* **Global Perspective & Adaptability:** Served as a consultant for a Military Survey School in Saudi Arabia and possesses extensive global backpacking experience. Equipped with the resilience to survive and solve problems in multicultural and volatile environments.

■ Selected Career Highlights

1. Strategic Implementation & Education | 1998 - 1999

*** Key Achievement: Saudi Arabia - Military Survey School Networked Teaching System**

- **Infrastructure Built from Scratch:** Established a campus-wide networked teaching system and infrastructure from zero in an environment with scarce resources and cultural differences.

- **Strategy-Oriented Consulting Philosophy:** Upheld the value of "Mastering direction and asking the right questions." Focused on formulating correct development strategies and management frameworks rather than getting bogged down in rapidly changing technical details, guiding young technical teams to find the best solutions.

2. Digital Transformation Pioneer | 1999 - 2000

*** Key Achievement: Ministry of National Defense (MND) - Permanent Archive Digitization System**

- **Pioneer in National Archive Digitization:** Spearheaded the MND's historical archive digitization project before the establishment of the National Archives Administration, setting the benchmark for national digital preservation.

- **Physical-to-Digital Process Planning:** Resolved the critical gap in "physical to digital" conversion. Designed a complete Standard Operating Procedure (SOP) covering everything from paper restoration, mounting, and coding to frontend scanning systems and backend storage architecture.

- **System Construction from Scratch:** Responsible for preliminary planning and vendor tendering. Built a scanning and storage system capable of handling massive classified data from the ground up, demonstrating strong system architecture planning abilities.

3. Cross-border Crisis Management & Turnaround | 2001 - 2003

*** Key Achievement: Shanghai CHEM - Lung Tumor Image Recognition R&D Project**

- **Crisis Command & Turnaround:** Took command during a crisis when the project manager resigned and the project was on the verge of suspension. Rapidly stabilized morale and reorganized the R&D team's rhythm.

- **Security & IP Control:** Leveraged IT expertise to establish strict code management mechanisms. Mandated developers to store code and flowcharts in siloed partitions to ensure core technology security and prevent asset leakage.

- **System Integration & Leadership:** Enforced the delivery of a "Working Prototype." Through high-intensity collaboration and mentorship, successfully coalesced a loose team into a cohesive unit, finalizing system integration and successfully transferring the technology back to Taiwan.

■ Independent Research & Entrepreneurship

1. Social Innovation & Smart Agriculture Lead | Xinlin Ecological Farm | 2006 - Present

*** Regional Revitalization & Quadruple-Win Strategy**:

Context: Addressed local unemployment and depopulation caused by the closure of the Guangfu Sugar Factory in the early 2000s.

Action: Spearheaded the Ministry of Labor's "Multi-Employment Promotion Program," effectively integrating government funds with private land assets.

Impact: Created stable jobs for 11 locals (supporting 11 families) and boosted community tourism. Achieved a "Quadruple-Win" outcome: efficient use of government funds, economic stability for residents, community prosperity, and sustainable farm development.

*** Bridging the Social Safety Net Gap:**

Insight: Identified "socially marginalized" groups in rural areas, specifically those ineligible for official welfare due to technicalities (e.g., illiquid assets) but in dire need due to abandonment or incapacity.

Action: Initiated a private crowdfunding campaign, raising over NT$300,000 to support these families for two years, filling a critical gap in the government's social welfare system.

Sustainability: Successfully transitioned these cases to established NGOs/charities for long-term support, demonstrating capable exit strategy planning.

*** Tech Mindset & Implementation:** Actively engaged in smart agriculture training, applying AIoT sensing and automation logic to improve operational efficiency.

2. Global Perspective & Adaptability | 1991 - Present

*** High Environmental Adaptability:** Extensive global independent travel experience (covering Europe, Asia, the Middle East, etc.). Developed the instinct to quickly identify problems and survive in unfamiliar environments by solving unexpected situations with low resources and high flexibility.

■ Education

*** Imperial College London**

PhD Candidate in Computer Vision | 1991 - 1995

- Research Topic: Autonomous Vehicle Pose Estimation using Computer Vision (With GPS).
- Note: Engaged in pioneer research on unmanned vehicles in the 1990s. Completed the PhD thesis and initial examination but chose to terminate further research due to hardware and software limitations of that era.

*** National Central University**

MS in Information & Electronic Engineering | 1985 - 1987

*** Chung Cheng Institute of Technology**

BS in Surveying Engineering | 1979 - 1983