Christian Angelo Lau Candelario

chrisalc@live.com ❖ +65 97549845 ❖ Github

EDUCATION

Singapore Institute of Technology / University of Glasgow

BSc(Hons) in Computing Science   *Singapore*

- **Glasgow Hackathon SG 2024:** Mentor
- **SIT Judo Varsity Team:** ITC 2024 – Gold medalist; Kyu Grade 2024 – Silver medalist
- **Glasgow Hackathon SG 2024:** Mentor
- **SIT BJJ:** Vice-President

WORK EXPERIENCE

Onedash22   **Sep. 2016 – Feb. 2023**

Cinematographer, HOD   *Singapore*

- **Leadership and Team Management**: Managed a team of technical professionals, ensuring seamless collaboration and efficient delivery of high-stakes film projects.
- Increase in awards by **400%** through leveraging advanced cinematography techniques and tools to create award-winning films, using technology to deliver impactful results.
- **Cross-functional Collaboration**: Worked closely with creative, government, and international agencies, coordinating across diverse teams and domains to achieve project goals effectively.
- **Project Management**: Oversaw the entire production lifecycle, including planning, resource allocation, execution, and delivery under tight deadlines.

PROJECTS

FarmUR   **Sep. 2024 – Nov. 2024**

- An urban farming application prototype to assist Singapore's "30 by 30" initiative.
- Designed with Cloud-Native and Microservices Architecture from the ground up to ensure scalability & reliability
  - App layer - Farm(s) management inclusive of dashboard, database
  - IOT layer - Hardware monitoring for plant health
  - ML layer - Image Processing to assist in plant health

EduHub   **May. 2024 – Aug. 2024**

- Advanced LMS for educational institutions with features: Course Management, Assignments, Messaging, Booking System, Grading System

RobotCar   **Sep. 2024 – Nov. 2024**

- Autonomous Robot Car built on C & FreeRTOS
  - Motor System with PID algorithm to control movement & Wheel Encoding for Speed management
  - IR sensors for Line Following & Barcode Decoding
  - Gesture Remote Control using GY511 to control manual car directions
  - Ultrasonic Sensors for Real-time Distance Measurement & Management

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CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** AWS Academy Cloud Architecting; AWS Academy Cloud Foundations; AI4I® – Literacy in AI; Tiktok Tech Immersion Program 2024; hackrift 2024 Winner: Best Pitch; hacksingapore 2024 Certificate of Participation
- **Languages/Frameworks:** Python, Laravel/PHP, C, JS, React, HTML/CSS, Kotlin
- **Technologies:** Docker, Kubernetes, AWS, TensorFlow, GitHub
- **Interests:** Combat Sports; Diving; Camping; Boardgames; **Sid Meier's Civilization VI (927 hours)**