Ching Hei Arthur Chen

Hong Kong | Taiwan

EDUCATION

National Tsing Hua University | Hsinchu, Taiwan **SEP 2022 – JUN 2026**
B.S., Power Mechanical Engineering and Philosophy (interdisciplinary programme)

University of St Andrews | St Andrews, UK **SEP 2025 – MAY 2026**
Visiting Undergraduate (Science) Programme

EXPERIENCE

Thorani project / Thorani Limited | Co-Founder and CTO **FEB 2026 – PRESENT (WINDING DOWN)**
- Winner, 2026 Hult Prize Hong Kong Summit; advanced to the incubator among the global Top 90 of 18,000 teams.
- Interviewed stakeholders in Taiwan and Thailand on agricultural insurance, conflicting incentives, and adoption barriers.
- Built a prototype accepting farmer photos and mapping satellite data; incorporated in Hong Kong in June 2026.

Intelligent Planet Hackathon (KFUPM × Google) | Lead Developer **OCT 2025 – FEB 2026**
- Selected as one of the Top 25 from 500 teams globally to develop AI-driven solutions for sustainable development.
- Formed a five-person team from three countries and four disciplines.
- Proposed using machine learning and Pareto multi-objective optimisation to suggest optimal sites for planting mangroves.

Autonomous Disaster Drone (Capstone) | Lead Research Engineer and Team Lead **JUN 2024 – JAN 2026**
- First Prize, 2025 NTHU PME Undergraduate Capstone Competition; recipient of the Audience's Choice Award among 78 undergraduate capstone projects.
- Led a team building a quadcopter for autonomous navigation in GPS-denied environments for fire and rescue.

Innovation and Technology Commission | Intern (Hong Kong Accreditation Service) **JUN – AUG 2025**
- Built a web-scraping tool to verify current versions of 16,000+ ISO, GB, AS, NZ and BS standards, cutting estimated time from three months to two weeks.

Riverbed Theatre | Assistant Stage Producer and Assistant Stage Technician **JAN – FEB 2024**
- Produced sets and props, moved scenery during VR filming, and handled general stage duties.

NTHU Formula Student Team | Autonomous & Electrical Systems team member **SEP 2022 – SEP 2023**
- Represented NTHU in Formula Student Competition Germany (Hockenheimring).
- Designed mounting systems for LiDAR and stereoscopic cameras using SolidWorks.
- Executed sensor calibration and data acquisition tests to validate the vehicle's autonomous perception stack.

LEADERSHIP AND COMMUNITY

Universities Business Challenge UK (UBC) | Team Leader, representing St Andrews **OCT 2025 – MAR 2026**
- UK Champion; used MATLAB to model and predict revenue in the simulation.
- Encouraged the team to continue and do their best after setbacks.

Tsinghua International Youth Ambassador | Office of Global Affairs, NTHU **SEP 2023 – JUN 2025**
- Prepared venues and presentations, welcomed international visitors, managed logistics, and guided campus and laboratory tours.
- Supported around 15 visits over two years.

Taiwan in My Eyes 120h | Team member **JAN – MAR 2025**
- Sponsored to travel around Taiwan with three teammates, each from a different country.
- Explored the culture and energy policy of Taiwan in relation to sustainable development goals.

NTHU Indonesia Volunteer Team | Captain **FEB – SEP 2024**
- Managed team planning and implementation; reported to NTHU and our supervisor; taught introductory ML; conducted fieldwork in Glodok Chinatown.

NTHU Global Program (Residential College) | Student Organiser and Event Staff **AUG 2022 – JUN 2024**
- Held and helped with over 20 activities to promote global perspectives.

AWARDS AND SCHOLARSHIPS

College of Engineering Long-Term Overseas Study Scholarship, NTHU **JUN 2026**
Certificate of Merit, Overseas Community Affairs Council **MAY 2026**
University of St Andrews Inbound Study Abroad Scholarship **AUG 2025**

LANGUAGES AND INTERESTS

Languages: Cantonese, Mandarin, English, basic German
Interests: saxophone, cycling, swimming, hiking, on-stage performances