CHAN KAM LUN (ALAN)

EdTech educator and technical builder - Hong Kong

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PROFILE

I turn AI, robotics, drones and autonomous systems into practical learning experiences. My work combines technical building, curriculum and learning-experience design, classroom and public delivery, and the operational coordination needed to make programmes run reliably.

SELECTED WORK

Drone Simulator

Technical teaching tool - developed through July 2026

- Originated and directed the concept, architecture, interface, teaching design, implementation and deployment, using AI-assisted development tools during the build.
- Built a browser-based Three.js and Blockly learning environment with mission-based practice before or alongside physical-drone activities.
- Used across approximately 30 classroom and STEM Day sessions.* No formal learning outcome has been measured.

Formula AI

Four competition seasons - 2022 to 2025

- Coordinated competition format and rules, staffing, floor-plan planning, school communication, event delivery and technical troubleshooting.
- Contributed to approximately 10 event deliveries involving 30+ schools and 200+ cumulative student participants across the programme period.*
- Supported sustained school participation across multiple seasons without attributing later programme engagement to the competition.

Virtual Rocket Design Workshop - InnoTech Expo 2022

Hong Kong Convention and Exhibition Centre - 17 December 2022

- Designed the workshop flow, teaching presentation and supporting notes/materials, then personally delivered two public sessions.
- Introduced basic rocket components, software-based rocket design and launch testing to approximately 120 participants across the workshop activity.*
- No formal learning or commercial outcome was measured.

* Reconstructed or estimated scale based on former assignment/participant records and personal review; not independently audited.

EXPERIENCE

Assistant Manager - 10Botics Ltd.

June 2022 - May 2026

- Delivered or supported technical and STEM programmes across approximately 100+ schools and 800+ programme-delivery hours over several years.*
- Coordinated tutor and technical-staff deployment, assignments, rosters and programme staffing, drawing from a company tutor network of more than 100 people.
- Led educational programme operations spanning competitions, public events, school communication, vendors, logistics, proposals, procurement and quality control.
- Automated administrative monitoring and scheduling workflows with Make.com and Google Workspace, reducing repetitive manual coordination and improving scheduling reliability.

EARLIER EXPERIENCE

Operation and Marketing Specialist - 10Botics Ltd.

June 2021 - May 2022

- Created technical manuals, user guides, instructional materials and project progress reports.
- Coordinated live technical, AV and system support for workshops, classrooms and multi-stakeholder events.
- Supported drone and robotics hardware fleets through deployment, maintenance procedures, procurement and vendor coordination.

Operation & Administration Assistant - Robocar Ltd.

December 2019 - May 2021

- Supported Donkey Car AI courses and technical workshops from setup through equipment maintenance.
- Translated institutional requirements into proposals and quotations and supported client enquiries, procurement and inventory.
- Resolved practical technical and hardware issues under classroom and workshop timelines.

PRACTICE

BUILD TEACHING TOOLS

Browser tools, simulations and prototypes that make complex systems available before or alongside physical hardware.

DESIGN TECHNICAL LEARNING

Curricula, workshop flows, teaching notes and mission-based activities for AI, drones, robotics and autonomous systems.

DELIVER PROGRAMMES

Classroom, public-event and competition delivery supported by staffing, school communication, logistics and technical troubleshooting.

TECHNICAL AND OPERATIONAL CAPABILITIES

Python; Swift; Java; HTML/CSS; SQL; Git/GitHub; Three.js; Blockly; Make.com; Google Workspace administration; automated process design; database and inventory tracking; hardware fleet management; AV/network systems; project scoping; proposals and quotations; budgeting and procurement; stakeholder engagement; vendor management; quality control.

EDUCATION

Bachelor of Business Administration

Hong Kong Shue Yan University - September 2017 to July 2020 - Upper Second Class Honours

LANGUAGES

Cantonese - Native | English - Fluent | Putonghua - Fluent

LINKS

Drone Simulator: alanchan246.github.io/drone-simulator
Public source repository: github.com/AlanChan246/drone-simulator