

Luciano Suen

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Education

Imperial College London

London, UK | Sep 2025 - June 2028

BEng Computing

Coursework: Databases, Calculus, Functional Programming & Object-oriented Programming, Graphs and Algorithms, Computer Architecture and Systems, Linear Algebra, Discrete Mathematics, Logic & Reasoning

Societies: Football, DocSoc, Cybersecurity, Data Science, Entrepreneurs

Island School

Hong Kong | Aug 2018 - May 2025

International Baccalaureate (IB) Diploma & IGCSE

Subjects: Computer Science HL, Math AA HL, Chemistry HL, Psychology SL, Spanish SL, English SL

Experience & Projects

Resume Page Limited | Typescript, Next.js, Next API, SDLC, Agile, Compliance

Hong Kong | Jul 2024 – Aug 2024

Software Engineering Intern

- Delivered 12+ production-level full-stack components adopted across platforms by developing and integrating features with Next.js, contributing across the full SDLC from system design to testing and deployment
- Led a team of 3 interns to architect and implement a QR code personalisation tool for custom client assets

Carbon Linking Limited | Typescript, AWS Lambda, AWS Amplify, SDLC, Node.js

Hong Kong | Jul 2023

Full-Stack Developer Intern

- Scaled a sustainability-focused mobile application to handle 1k+ monthly requests by developing and optimising backend services using AWS Lambda and AWS Amplify
- Boosted user engagement by ~25% by implementing gamified learning features with real-time event tracking and rewards

Public Transportation Planner | Kotlin, Gradle, Dijkstra's Algorithm, HTML Mapping

Jan 2026 - Present

- Built a Kotlin-based GUI application to analyse geospatial population data and model simplified public transport networks
- Implemented Dijkstra's and A* to compute shortest paths between nodes, generating journey metrics for network evaluation
- Designed a data pipeline to parse datasets and produce an interactive map visualisation for exploratory transport planning

CityZenith | Next.js, TypeScript, MongoDB, Geospatial Processing

Feb 2026

- Awarded 2nd place at HackLondon 2026 for developing a real-time urban planning intelligence platform
- Designed a real-time spatial data aggregation pipeline integrating multiple external APIs, vector tiles, and constraint datasets into a unified parcel-level data model
- Built a scalable RAG architecture with vector search and streaming responses, optimising caching and spatial computations

MedManager | Python, TypeScript, React, LLM Orchestration, Async Processing

Nov 2025

- Awarded 1st place among 700+ students for developing an AI-powered medical document interpretation platform
- Architected a modular multi-agent pipeline using FastAPI and asynchronous task handling to process, summarise, and structure unstructured PDF medical data
- Implemented robust document parsing and information extraction workflows with structured output validation

Awards

Imperial College Alumni Association of Hong Kong (ICAAHK) Scholarship

Sep 2025

- 3 recipients / ~60 students, Regional Scholarship; Chosen through a rigorous process including group and individual interviews

ESF Chairman's Award for Outstanding Academic Performance

Aug 2025

- Awarded to students who demonstrated excellent academic performance in their International Baccalaureate (IB) Diploma

Skills

Languages: Python, JavaScript/TypeScript, HTML/CSS, SQL/noSQL, Java, Kotlin, Haskell

Tools: Git, Docker, Kubernetes, Flask, React, Next.js, Express, AWS, Tensorflow, Keras, Pandas

Extracurriculars

Island School | Head Boy

Hong Kong | Feb 2024 - Feb 2025

- Led weekly Student Council meetings to sustain and strengthen the school's student governance system
- Spearheaded initiatives to champion school spirit, organise school-wide events, and restructure the Student Council to promote diversity, equity, and inclusion through process reform
- Elected through a competitive three-stage process including nomination, interview, and review

Volunteering

16th City of Westminster Scouts (Pimlico, London) | Explorer Leader

London, UK | Oct 2025 - Present

- Led weekly sessions for Explorer Scouts, organising activities to develop teamwork, leadership, and problem-solving skills
- Supported planning and delivery of outdoor programmes, ensuring safe participation and engagement for young members