

CHONG TSZ WING, RAIN

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EDUCATION

The Chinese University of Hong Kong <i>Bachelor of Engineer, Major in Artificial Intelligence, Minor in Economics & Physics</i>	Sep 2020 - Aug 2025
▪ Extra-curricular Activities: VP of College Student Union; VP of AI Student Developer Club; Leader of Google Developer Student Club; Exco of HKIESC; Exco of AI Society; Subcom of Hong Kong Digital Asset Society ▪ Key Courses: Machine Learning Theory, Applied Deep Learning, Natural Language Processing, Game Theory, Time Series, Cloud Computing, Parallel Computing, Quantum Computing, Quantum Mechanics, Relativity ▪ Overall CGPA: 2.98/4.0; Final Year GPA: 3.48/4.0	
University of Cambridge <i>Summer Program, Entrepreneurship and Innovation</i>	Jun 2023 - Jun 2023
▪ Developed practical skills in entrepreneurship, pitching, financials, market analysis and investor relations	

PROFESSIONAL EXPERIENCE

Product & AI Engineer – Fellow AI	Nov 2025 - Present
▪ Full stack development and deployment of agentic system for application with generative UI ▪ Research and develop machine learning algorithm for RPA shadowing from user's action trajectories	
AI Researcher – Amber Group (NAS: AMBR)	Aug 2025 – Nov 2025
▪ Leading research in automated Alpha mining system using genetic algorithm in collaboration with quant team ▪ Fine-tuning LLMs with SFT and GRPO, building trainable agentic system with VERL	
AI Researcher & Developer – Asiabots Limited	Aug 2023 - July 2025
▪ Designed 15+ production-grade AI pipelines boosting accuracy, reducing latency by 75% and cost by 90% ▪ Developed original approaches to address bottlenecks in RAG systems under tight resource constraints	
Software Engineer – Oursky Limited	Dec 2022 - Mar 2023
▪ Contributed to full-stack development in tenders' internal online system using NodeJS and AngularJS ▪ Developed iOS mobile app prototypes to support passkey authentication with SwiftUI	
Data Science & Machine Learning Intern – BASF (FSE: BAS)	Jun 2022 - Nov 2022
▪ Built predictive models for supply chains, inventory and financials forecasting using machine learning ▪ Implemented cloud-based data pipelines and reports using Microsoft's Azure, Databricks and PowerBI	
Software Engineer Intern – Maunakai Capital Partners Limited	Jun 2021 - Aug 2021
▪ Performed quantitative analysis on cryptocurrencies and exchanges to support cyclic arbitrage trading ▪ Developed low-latency multi-platform trading interfaces using RESTful API, WebSocket and gRPC	

PROJECT EXPERIENCE

Independent Study · Geodesic Optimization on Heteroclinic Network (unpublished)	Oct 2018 - Now
▪ Theoretical research on the structural foundations of human consciousness and neural network ▪ New machine learning paradigm that supports forward learning and better information compression	
LiLM · Finetuning LLMs to Mimic Forum User (link)	June 2024 - July 2024
▪ Fine-tuned LLMs with 3 million pages scraped from local forum, bypassing security via proxies at zero cost	
Final Year Project · Genetic Algorithm & Modular Augmenting Topology (link)	Sep 2023 - May 2024
▪ Developed machine learning framework to evolve neural network modules using genetic algorithm ▪ Applied natural selection for modules to grow from layers to complex structures in collective training	
FutureAI · AI News, Tools & Education Platform	Apr 2023 - Jul 2023
▪ Led full-stack web application development and ran AI business news platform reaching 300k+ exposure	
GymNation · AI Assisted Home-gym Solution	Dec 2022 - Jan 2024
▪ Designed and built compact home gym machines with AI movement correction and real-time motor feedback	

AWARDS & ACHIEVEMENTS

Finalist , JPMorgan Chase & Co. Code for Good Hackathon	2022
Champion , Venture Capital on Campus Case Competition	2021
Five-time Medallist (top score worldwide) , ICAS Mathematics	2015 - 2019
Silver Medal , Hong Kong Olympiad in Informatics (competed above designated level)	2018
Second Prize , National Olympiad in Informatics in Province	2017
Gold Award , Pui Ching Invitational Mathematics Competition	2016
First Prize , Hong Kong Mathematical High Achievers Selection Contest	2016

LANGUAGES, SKILLS & INTERESTS

Language:	Native in Cantonese; Fluent in English and Mandarin
Technical:	11 years of coding experience; R, SQL, Matlab, LaTeX, PowerBI, MS Azure, Databricks
Coding:	Proficient in Python and C; Work experience in C++, TypeScript, Node.js, ReactJS, Swift, Go
Interests:	Philosophy, Cognitive Science, Technology, Physics, Entrepreneurship, Writing, Wakesurf, and Poker