Nok Hang TSANG

marcotsang.co.uk | Portfolio Website

marco-tsang112 | LinkedIn

hkmarcoot | GitHub

EDUCATION

IT Career Switch - Full Stack Developer Coding Traineeship   Sep 2024 - Present

GCE A LEVEL - Maths, Further Maths, Computer Science   Apr 2023 - Aug 2024
  Grade: A*BB

Functional Skills in English and Maths at Level 2   Jan 2023 - Apr 2023
  Grade: Both passed

School Of Code - Bootcamper   Nov 2021 - Mar 2022

The University of Hong Kong - BSc in Physics   Sep 2012 - Dec 2016
  Grade: Second Lower Class Honours

JOBS

IT Career Switch - Full Stack Developer Trainee   Sep 2024 - Present
- Build 2 PHP-based projects with AJAX, Bootstrap, jQuery, MySQL, JavaScript, HTML, and CSS. Learn C#, Java, Python, and others from Codecademy and the company's own educational platform.

School Of Code Intern | LINK   Nov 2022 - Jul 2023
- Build a Google Calendar Add-on that can save events as templates. Users can select and edit a template to save time when creating their new event.

School Of Code - Bootcamper | Full Stack Developer   Nov 2021 - Mar 2022
- SOC is one of the well-known skills bootcamp organisations funded by Department for Education in UK. I am chosen from 1800 applicants to join its first National Bootcamp with around 200 more bootcampers. It is an intense 16-week full-time training learning about full stack web development.

Techbob Academy - STEM Tutor   Oct 2019 - Oct 2020
- I taught 3-12 year old children in Hong Kong about making games in Scratch, building mobile apps in App Inventor, and controlling Lego EV3 robots and drones using coding blocks.

Cheung Chau Government Secondary School - IT Teaching Assistant   Oct 2016 - Aug 2017
- After graduating, I worked in a secondary school in Hong Kong and helped with students' STEM school projects and competitions. 3D printing for students, generated student analytical reports, managed G Suite for Education, eClass Parent App and ESDA.

WORK EXPERIENCE

Marco & Ijaz CodeTech - Freelance Programmer | LINK   Aug 2023 - Present
- After the success of the School Of Code Internship, Ijaz and I founded this non-profit company to update the Google Calendar Add-on and to join the Web3 competition.

Freelance Programming Tutor   Oct 2022 - Dec 2023
- Teach my new friend to get started with full stack web development, and be prepared to attend a coding bootcamp.

Udemy Online Course Teacher | LINK   Mar 2021 - Oct 2021
- Record & edit tutorial video teaching MIT Scratch programming, which was a summary in what I learned as a STEM Tutor in Hong Kong.

CODING SKILLS

Languages: Python, JavaScript, TypeScript, Apps Script, C#, Java

Frontend Skills: HTML, CSS, Tailwindcss, React.js, Next.js, Bootstrap

Backend Skills: Express.js, Node.js, PostgreSQL, MongoDB, Couchbase NoSQL, Sanity.io, PHP, AJAX, jQuery, MySQL, AWS Lambda, AWS DynamoDB

Unit Testing Skills: Jest, Mocha, Chai

PROJECTS

IT Career Switch Project - Company Directory | LINK   Jun 2025 - Aug 2025
- Use MySQL as the database.
- User can management employees data by reading, creating, editing, deleting personnel, departments and locations information.

IT Career Switch Project - Gazetteer | LINK   Apr 2025 - Jun 2025
- Use Leaflet.js for the map component.
- Create country border and take user to the country they selected. Show interesting info in the modal overlay.

Task Management App Using AWS Lambda and DynamoDB | LINK1 LINK2   Aug 2024
- A task management app using WebSocket API with Lambda function and DynamoDB in the backend, and using Sockette websocket and Atlassian Drag and Drop Library in the React frontend.

GCE CS NEA Project - Tax Advisor and Calculator | LINK   Sep 2023 - Feb 2024
- The project integrates binary search and ChatGPT into the tax advisor and an algorithm for calculating tax in the UK in 2022-2023.
- It uses Object-oriented Programming. When a taxpayer opens a new account, a user object is created from the class template.
- The ChatGPT can generate a report after the taxpayer calculates their tax.

Calendar EventTemplates | LINK   Mar 2023 - Jul 2023
- This Google Calendar Add-on can help users to create templates for their events.
- It is built with Google Apps Script, similar to JavaScript, but it has its own rules for displaying items in the add-on.
- More than 7000 global users use it daily to help create their events more efficiently.

More projects are on my LinkedIn, GitHub account and portfolio website.

CERTIFICATES

Codecademy Full Stack Engineer Career Path | <u>CERTIFICATE</u>   Feb 2025

- Complete all the quizzes, lessons and coding challenges in the career path.

Couchbase Certified Associate Node.js Developer with Capella | <u>CERTIFICATE</u>   Sep 2022

- Create a backend with Couchbase, linking it with a React frontend.
- Use its unique queries to fetch data from the database.

Google Digital Marketing & E-commerce Professional Certificate | <u>CERTIFICATE</u>   Jul 2022

- Learn basic e-commerce concepts such as SEO, marketing analytics and funnels.

More certificates are on my LinkedIn.

HACKATHONS

EasyA x Polkadot London Hackathon 2025 - Astartes.Dot | <u>LINK1</u> <u>LINK2</u>   Apr 2025

- Join EasyA hackathon by building a Web3 cybersecurity project.

Hiro Hackathon - Top 10 Finish Across All Three Hacks   DEC 2023

- Build Web3 projects and win prize by submitting 3 projects in 3 weeks.

MIT App Inventor Hackathon 2020 - 3rd Place in Adult Track   Aug 2020

- Win 3rd place by submitting COVID-19 related app created by App Inventor.