

# ROBERT CHUNG

## Developer

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### Background

An inquisitive person with **7 years of experience** in digital messaging, development and data analysis. Passionate about programming, learning about new technology and creating new and exciting ideas.

Currently I am a **Software Engineer** at Hong Kong Center For Cerebro-Cardiovascular Health Engineering where I have built and maintained a **database** that houses the clinical data that the project teams have collected through clinical trials.

In my spare time, I love playing and creating video games. Currently learning **Godot** and creating a card game based on Karuta which is a card matching game

### Languages

- TypeScript/JavaScript
- Java
- C#
- HTML/CSS
- SQL
- AMP Script
- Unix

### Platforms/Frameworks

- Next JS/React JS
- Mongo DB
- AWS
- Salesforce Marketing Cloud
- Jira/Confluence
- Angular JS

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### Experience

**Software Engineer - Hong Kong Center For Cerebro-Cardiovascular Health Engineering (COCHE)** Sep 2022 - Present

- Designed and developed the MISSION Database, to house all the clinical data that the project will collect during clinical trials. Built using Next JS Mongo DB and deployed on AWS.
- Responsible for the security of the data that COCHE attains through other platforms like UK Biobank and from Mainland China
- Added a members corner to COCHE main site so that that employee would have a place to view all COCHE related material and sign up for lab trainings.

#### Achievements

- Migrated the CVD Questionnaire to a webpage eliminating the paper form and including other indexes such as Frailty, Diet and Sleep Apnea Risk.
- Allowed for multiple types of data to be read and analyzed such as .acq and, .mp4, organized by project and clinical trial event date.
- Upgraded the site from being deployed on vercel to be deployed on AWS to increase the data upload limit and allowing a more simplified deployment process

**Digital Messaging Specialist - HSBC**

Jul 2020 - Sep 2022

- Co-ordinated multiple teams, UX, Copywriting and Data and Analytics to create emails and SMS campaigns spanning over multiple products using Jira and Confluence for organization and requirement gathering.
- Created Survey forms used in data gathering for email/SMS campaign which used HTML/CSS and JavaScript for validation.
- Trained specialists and configuration teams in the newest methods of communications through Salesforce Marketing Cloud such as Journey Builder and 2 way SMS.

## IT Consultant - FDM Group

Jun 2016 - Dec 2020

- Completed the graduate training scheme for a Software developer which includes OOP in Java, HTML/CSS, Javascript, SQL and Unix.
- Contracted to different positions to bolster experience and develop skills in many areas.

## Finance Analyst - HSBC - Contract

Feb 2019- Jul 2020

- Developed visualisation of data using the Qlik Sense Software for a HSBC degree programme. Daily data was uploaded on the progress of participants, processed through Qlik Sense using a SQL-like syntax and key information was displayed through graphs and charts so that the program can be improved upon and updated.

## Software Developer - HSBC - Contract

Jun 2018- Dec 2019

- Updated and improved the HSBC Home and Away offers website to use the Angular JS framework. Fixed bugs and implemented new features into the website such as user interaction issues and adding a map locator, using HTML/CSS and JavaScript, which improved site interaction and overall responsiveness.
- Became the WalkMe subject matter expert, leading the roll out of guided walkthroughs on multiple channels in different markets. Examples include paying bills on online banking and onboarding for customers using a refreshed new layout for online banking which increased site interaction and decreased the amount of call center queries.

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## Education

King's College University, London  
Master of Science (Msc) in Mathematics

2014 - 2016

Brunel University, London  
Bachelor of Science in Mathematics - 1st Class  
Honors

2011 - 2014

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## Projects:

Website: <https://robert-b-chung.vercel.app/>

Built using: HTML/CSS, TypeScript/Javascript, Next JS framework and Resend for contact email