

# Ka Ho Hui (Francis)

Analyst Programmer in Bank of East Asia

Authorized to work in Canada

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Well-trained programmer familiar with DevOps cycle and backend development, professional and passionate in data structure and design pattern which are beneficial to improve system performance

## Experience

### The Bank of East Asia Limited

Apr 2022 – Mar 2024

*Analyst Programmer (Secondment Contractor via Ambition Group Hong Kong Ltd)*

*Hong Kong SAR*

- Conducted in the system development using Java, Spring Boot and JSP
- Engaged in the Cyberbanking System Development, including the project for OpenAPI, BAU and batch Jobs
- Participated in complete SDLC process including requirement gathering, system design, code review and migration
- Provided system support by monitoring application performance with Dynatrace and examined data and logs with Kibana to resolve production incidents and user inquiries
- Responsible for large-scale microservice deployment to Red Hat OCP and AWS with Jenkins Pipeline

### Transaction Technologies Ltd.

Jan 2021 – Mar 2022

*Programmer*

*Hong Kong SAR*

- Implemented logic for the Front Office (FO) trading system
- Supported in Development, SIT, UAT, and Production environment
- Provided R&D and function revamp to achieve better time complexity and enhance system performance
- Executed unit test cases with Junit and Postman for accuracy of code and logging with log4j

### MaCaPS International Ltd.

Jun 2019 – Aug 2019

*Engineer Internship*

*Hong Kong SAR*

- Worked on RFID and Embedded System development with assembly language and C
- Participated in Finger Vein Biometric Technology in Time Attendance System Project

## Education

### City University of Hong Kong

Sep 2018 – Dec 2020

*Bachelor of Engineering in Computer and Data Engineering*

*Hong Kong SAR*

- First Class Honors Graduated (Final GPA: 3.69) and Awarded Dean's List in Semester A and B in 2019/20

### The Community College of City University of Hong Kong

Sep 2016 – Jul 2018

*Associate Degree of Science in Network and Systems Administration*

*Hong Kong SAR*

- Distinction Graduated (Final GPA: 3.52) and Awarded Principal's List in Semester B in 2017/18

## Project

### Develop an efficient path finding algorithm for very large graphs (Final Year Project)

*Technologies/Skills Applied: C++, CLI, Window Forms, Data Structure, OOP, Graph, Dynamic Programming*

- Developed a sequence-to-acyclic-graph searching algorithm with time complexity  $O((|V|+|M|)|E|)$
- Window Application for data input, calculate the searching result and explain the steps

### Crypto Currency Backend Server

*Technologies/Skills Applied: Python, Flask, OOP, JSON, Restful API, SHA256, RSA*

- Backend Sever simulate the Crypto activities among blockchain like trading, mining, and rewarding
- Provide Restful API for making transaction, viewing information like transaction history and blocks detail

## Skills

**Programming Language:** Java, C#, C++, C, Python, JavaScript

**Framework:** React.JS, Spring Boot, Flask, Flutter, JSP, Junit

**Database:** mySQL, Oracle SQL, IBMDB2

**Other:** Gitlab, Github, Git, Jenkins, WAS, Tomcat, Soap, Postman, OCP, MS Office, Source Tree