

Lee Do Hyeon (Robert)
Email: Dohyeonee95@hotmail.com
Github: <https://github.com/eqfwcev123>
Web: <https://eqfwcev123.github.io>
Contact: (+852) 9296-8473

Education

The Hong Kong Polytechnic University BBA (Honors) in Global Supply Chain Management	Hong Kong 2013 – 2019
Shanghai High School International Division	2002-2013

Work Experience

LSCM Research & Development Centre <i>Software Engineer</i>	Hong Kong 2020 October – Present
<ul style="list-style-type: none">Designed and implemented a computer vision pipeline that automated quality control, reducing processing time by 75%.Developed a real-time traffic management backend system that dynamically adjusts traffic signals based on computer vision analytics, reducing congestion in key intersections.Led development of a mobile application in Flutter/Dart that uses IoT devices to detect approaching objects and provide audio alerts to visually impaired users, enhancing safety.	

Side Projects

Reward-based Q&A Platform: “Solva”	Hong Kong
<ul style="list-style-type: none">Developed a Flutter mobile application featuring a competitive Q&A system where users post questions with monetary rewards and verified experts compete to provide the best answers.Implemented a secure escrow payment system with time-limited response periods and automated comment visibility controls to ensure unbiased expert responses.Built a comprehensive expert verification workflow with document-based authentication and dual account functionality, enabling seamless switching between user and expert modes.	
AI Powered News Summary Platform: “Enus.ai” (In Progress)	Hong Kong
<ul style="list-style-type: none">Developed a Backend API using Java Spring Boot with Websocket integration for real-time chat-functionality and JWT authentication.Created a python web crawler that periodically collects news articles based on user keywords and processes them for personalized summaries.	
Cryptocurrency Backtesting Platform: “BtoF.fi”	Hong Kong
<ul style="list-style-type: none">Developed a full-stack cryptocurrency trading platform using Nest.js and React that enables strategy backtesting with customizable technical indicators (MACD, SMA, SO).Implemented a real-time trading signal system integrated with multiple cryptocurrency exchanges via REST APIs, processing market data to generate actionable buy/sell/hold recommendations.Built a comprehensive strategy validation workflow with visual performance metrics, increasing user strategy profitability by 15-20% in backtest.	

Technical Skills

- Programming Languages: Python (Flask), JavaScript/Typescript (Node.JS/Express.js), Dart
- Database: MySQL, MongoDB
- Containerization: Docker

Languages

- Native in Korean, Proficient in speaking and writing both English and Chinese.