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Education

The Hong Kong Polytechnic University BBA (Honours) 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 pedestrian safety.	

Side Projects

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.	
Seoul Big Data Campus Competition	South Korea
<ul style="list-style-type: none">Analyzed large government datasets using Python (Pandas/NumPy) to identify demographic patterns associated with urban waste management challenges.Applied statistical modeling and visualization techniques to extract actionable insights, presenting findings that informed municipal waste collection strategy.	

Programming Languages

- Programming Languages: Python (Flask), JavaScript/Typescript (Node.JS/Express.js), Dart (Flutter)
- Python libraries for Analysis: Numpy, Pandas, OpenCV
- Database: MySQL, MongoDB
- Containerization: Docker

Languages

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