NGAI Dik Hong

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Summary

Computer Science graduate with hands-on experience in **front-end development**, **ML applications**, and **software engineering**. Proven ability to build innovative solutions using modern tools like **ReactJS** and **Python**. Strong foundation in **machine learning**, **software design**, and **web technologies**. Highly motivated to contribute to technology-driven projects and collaborative development environments.

Education

City University of Hong Kong
Bachelor in Computer Science | 08/2025

- Relevant Coursework: Web Programming, Software Design, Artificial Intelligence, Information Security
- **Key Project:** Developed an algorithmic trading system utilizing machine learning models for data-driven decision-making.

Jockey Club Ti-i College
Diploma of Secondary Education | 07/2021

Related Experience

Lively Impact Technology Limited
Data Analyst Intern | 06/2023 - 07/2024

- Responsible for Front-end Development using **ReactJS**, **Webstorm** and **Material UI**.
- Implemented **Optical Character Recognition (OCR)** using Python, achieving **95% accuracy** in text extraction from various document formats.
- Collaborated with backend developers to integrate **RESTful APIs** for data processing.

CityU Underwater Robotics Team's In-House Competition
Computer Engineer | 09/2022 - 11/2022

- Designed and programmed a robot to **autonomously follow colored lines and detect objects**.
- Used **Python and OpenCV** to process camera input and navigate obstacles.
- Contributed to **hardware integration and sensor calibration** for precise movement.

JCTIC Student Union
PR and Publicity | 09/2019 - 05/2020

- Coordinated and promoted events, leading to **a significant increase in student participation**.
- Built partnerships with **3+ local schools** for joint-school events.

Technical Skills

- Languages: JavaScript, Python, SQL, Java, C++
- Frameworks: ReactJS, React Native, Flask, Git, Tailwind CSS, Material UI
- Tools: Vite, Expo, TensorFlow, Scikit-learn, Pandas
- Concepts: Front-End Development, Machine Learning, OCR, API Integration

Languages

- **Cantonese** (Native), **English** (Fluent), **Mandarin** (Proficient)