NAPHAK JAENGJAIKUL
Mobile App Developer, Full-Stack Developer, Software Engineer
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EDUCATION

The University of Hong Kong (2022 - 2026)
BASc in Financial Technology (Computer Science) with a minor in Computer Science

PROFESSIONAL EXPERIENCE

Software Developer Intern - HKU, Department of Industrial and Manufacturing Systems Engineering
(Aug 2024 - Sep 2024)
- Use Tensorflow to build CNN to do a real-life pattern recognition project
- Assisted in developing a Digital Twin computer vision project using C# and Unity
- Built a VR/XR project with C++ and Unreal Engine 5 BP
- Developed a project website (https://visioneers.hku.hk/)

Software Developer Intern - ALGOGENE FINANCIAL TECHNOLOGY COMPANY LIMITED
(June 2024 - Aug 2024)
- Developed real-time trading signal bots on telegram using various RESTful APIs, SQLite, various python libraries e.g (Pillow, Mplfinance, Pandas, Plotly, numpy, and Pandas TA)
- Developed a fully automated AI-powered social media post system using BS4, selenium web driver, ChatGPT API, social media APIs
- Managed database operations
- Worked with AWS S3 and cloud servers for scalable storage and application deployment

Co-Founder, Web Developer, Product Owner - AZAI SOLUTION (www.azaisolution.com)
(Sep 2023 - May 2024)
- My previous startup under Cyberport Creative Micro Fund Scheme (Received HK$100,000 Funding)
- Developed a company website (www.azaisolution.com)
- Oversaw product development (Mobile App)

KEY ACHIEVEMENTS

Certificates
- Finalist & Merit rewards / HK TECHATHON+ 2024 (Trusted AI & data science)
- Winning team / Cyberport University Partnership Programme FinTech Entrepreneurship Boot Camp 2023
- Completion of OpenCV Bootcamp by OpenCV University
- Completion of Tensorflow-Keras Bootcamp by OpenCV University
- Blockchain for Business: The New Industrial Revolution by Udemy
- Blockchain A-Z: Learn How To Build Your First Blockchain by Udemy

SKILLS

- **Front-End:** Javascript, Typescript, HTML, CSS, React, Tailwind, Bootstrap
- **Back-End:** Javascript, Typescript, NodeJS, PHP, Docker, Flask, RESTful API, AJAX
- **Programming:** Python, Javascript, HTML, CSS, C++, C, C#, Java, Kotlin, Shell Script
- **Database:** Firebase, AWS (Dynamo DB, S3 for Storage), MySQL, SQLite, MongoDB, AppWrite
- **Mobile App Development:** React Native, Expo, Android Studio, Kotlin, XML, Java (android), Firebase
- **Languages:** English, Thai

PROJECTS & COURSE WORK

StoryMap: Meet new friends outside your social circle through the map (React Native)
Tech Stack: React-Native, Expo, Firebase (Firestore), Mapbox
A startup I founded and developed by myself
- Used React Native (Expo, typescript)
- Connect to firebase (firestore) for real time database
- Used Mapbox map API for the map
- Work on Expo Development Build and Expo EAS for libraries that require native code
- Worked with features with native code on mobile like camera, location, image-picker, image saver

Restate: Real Estate App (React Native)
Tech Stack: React-Native, Expo, AppWrite (similar to Firebase)
An app to list or find real estate, rooms and other renting property
- Used React Native (expo) and Nativewind (tailwind CSS)
- Used AppWrite for real-time database and user authentication
- Integrated with Google Authentication API for user signup and login

Android-native Second-hand item trading app (Course work, Android Studio)
Tech Stack: Java (Android, Firebase, Android Studio)
A course project from an interactive mobile application course using java
- Developed the app using Android Studio (java, xml)
- Integrated Firebase for real-time database

Real-time Trading Signal Bots on Telegram
A telegram bot to notify whenever there are new trading signals to buy or sell positions. Sending real-time financial graph with a entry or exit signal plot on it. and all the details with news APIs that allow it to retrieve all the news data and give reasoning behind every entry and exit based on market situation
- Used various financial APIs, news APIs, Telegram API, and chatGPT APIs
- Utilized SQLite to store position data
- Used many data analysis python library like Pillow, Mplfinance, Pandas, Plotly and numpy