NAPHAK JAENGJAIKUL

Software Engineer, Full-Stack Developer, Front-End Developer

(HK) +852 56694540, (TH) +66 0615641867 | naphak.jaengjaikul@gmail.com | Website: www.naphak.com

EDUCATION

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

PROFESSIONAL EXPERIENCE

HKU, Department of Industrial and Manufacturing Systems Engineering
Software Developer Intern
(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/)

ALGOGENE FINANCIAL TECHNOLOGY COMPANY LIMITED
Software Developer Intern
(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

AZAI SOLUTION (www.azaisolution.com)
Co-Founder, Web Developer, Product Owner
(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)
- Oversaw marketing strategy and social media

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:** 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:** MySQL, SQLite, MongoDB, AppWrite
- **Mobile App Development:** React Native, Expo, Android Studio, Kotlin, XML, Java (android), Firebase
- **Languages:** English, Thai

PROJECTS & COURSE WORK

Android-native Second-hand item trading app (Course work)
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

Restate: Real Estate App (React Native)
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

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

CNN-based Spell Recognition Wand (Physical) - Harry Potter Spell Casting game
Users can use a physical wand for pattern-based spell-casting in real life. The embedded CNN model on the wand recognizes patterns to determine the corresponding spell and output the action in the game
- Used Tensorflow to train the spell recognition model
- Self-collect data on the wand's coordinate locations and movements over time for training
- 3D printing for hardware model