# Hung, Chien-Hsiang

洪健翔

Software Engineer / Full Stack Developer / IT Manager / Kaggle All-round Expert

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## Skills

- Python | HTML | CSS | Bootstrap | MongoDB | SQL | jQuery | JavaScript | Node.js | React | Next.js | Unit Testing | Git | OOP | VBA
- Cloud Computing | Azure | Blob | Functions | AWS | S3 | Lambda | Vercel | API Development | RPA | Web Scraping | Reverse Engineering
- Frontend | Backend | Full-Stack | Machine Learning | Deep Learning | Microservices | Chinese, English - *Professional proficiency or above*

## Experience

**IT Manager** — **Wisdom Asset Management** — **06/2021 - Present**

- Led the design and development of multiple enterprise-level microservice applications of Data and Digital Integration Team, managing market-valued **USD 2 billion** assets using the latest technologies of Azure, AWS, Python, HTML, CSS, Azure Functions, Blob, AWS Lambda, S3, Power Apps, Power Automate, SharePoint, Dataverse.
- Implemented scalable APIs and background workers for our internal and external Apps using Python, HTML, CSS, Power Apps, Power Automate, Azure Functions, AWS Lambda, and other Azure/AWS cloud technologies that serve thousands of requests every day.
- Introduced (Digitalization to Cloud, RPA) **24/7** worker concept by automating and optimising business logic for data extraction and collection, and report generation by building up Scraping tools for external resources, e-mails, and files, Reverse Engineering on PDF documents and auto Generating a consolidated report which solved the time gap between work hours and **reduced 90% of time** consumed before.
- Designed and built up responsive user interfaces of several products E2E, from identifying system requirements, and partner dependencies to software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Rolled out a Portfolio Management App (CRM, Risk Management, HRM, etc.) and a Product Quotation System (discovering **3,000+** prices every month in the OTC market) to replace the outsourced white label app which saved us **NTD 1.8 million** expenditure every year.
- Hosted internal workshops periodically to sharpen our knowledge by sharing experiences, and discoveries.

## Projects

- 臺灣清冠一號地圖 Taiwan NRICM101 Map: Creator of a responsive med info map, shows the metadata of nearby clinics for those who were infected or weren't, in need of finding the NRICM101 treatment for Covid-19 (average **1,000+** daily visitors). Integrated government data with Leaflet (open-source JavaScript map library), and hosted serverless using Vercel, GitHub, and MongoDB.
- **Kaggle Profile Summary Card API:** Developed an API by Web Scraping competition data and presented through designing on HTML and CSS / SVG (serves stainless by embedding through HTML or Markdown), deployed on Vercel with Python for Kagglers to display their Kaggle profile at any time, everywhere, and effortlessly. It's used in **more than 10 countries**.
- **Asian Traffic| Embedded Object Detection:** Led a team to train an object detection model using YOLOv5 in a competition and further embedded it on the Android app and Raspberry Pi. Managed to **raise 20% of mAP** (highest in competition), **accelerate the running speed by 900%** and work smoothly on embedded devices.

## Education

**AI and Deep Learning** — **Industrial Technology Research Institute (ITRI)** 工業技術研究院 (工研院) — **12/2020 - 03/2021**

- Developed Embedded Object Detection App for Asian Traffic

**MBA** — **National Sun Yat-sen University** 國立中山大學 — **09/2017 - 01/2020**

- Major in Finance GPA 3.8

**Exchange Programme** — **Örebro University** — **08/2019 - 01/2020**

- Major in Business/Managerial Economics

## Others

- **Kaggle All-round Expert:** Won the first competition **silver medal in the 5th month** into Kaggle. Collected all the required amount of medals at each sector (competitions, datasets, notebooks, discussion) to become an **all-round expert in the 6th month**. Competitions as Shopee - Price Match Guarantee using PyTorch with model EfficientNet to classify products by images and texts, Jane Street Market Prediction using TensorFlow with simple NN (MLP) with purged grouped time series CV to predict the price.