

# Idra Hsieh

(Yun-Jung)

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GitHub: [@idra-hsieh](https://github.com/idra-hsieh)

Portfolio: [idra-hsieh.vercel.app/](https://idra-hsieh.vercel.app/)

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## Summary

Trilingual Software Engineer merging Product Management strategy with Full-Stack execution. Leverages a data-driven BD/PM background to build scalable, user-centric applications.

## Skills

- Frontend:** TypeScript, React, Next.js, Tailwind CSS, Shadcn, i18n, Framer Motion
- Cloud & DevOps:** Google Cloud (Run, Build), Docker, CI/CD, Git, Vercel
- Backend & Data:** Python (Pandas), SQL, PostgreSQL, Supabase, Prisma

## Languages

- English:** IELTS 8.0 (Professional)
- Japanese:** JLPT N1 (Business Capable)
- Chinese Mandarin:** Native
- Korean:** TOPIK Level 2 (Basic)

## Certifications

### Software Engineering Foundations (IPA)

- Fundamental Information Technology Engineer**（基本情報技術者試験）
- Information Security Management**（情報セキュリティマネジメント試験）

### Web Development (freeCodeCamp)

- JavaScript Algorithms and Data Structures
- Front End Development Libraries
- Responsive Web Design

### Cloud & Deployment

- Google Cloud Essentials (course)

### Data Analytics

- Google Data Analytics Professional Certificate

## FEATURED PROJECTS

### Charm Money Indicator | Full Stack & Cloud DevOps [Live](#) | [GitHub](#) | [Demo Video](#) | [Figma](#)

- Stack:** Next.js, TypeScript, Tailwind, Docker, Google Cloud
- Cloud DevOps:** Architected a serverless CI/CD pipeline via Cloud Build to automate containerized deployments (Docker) to Google Cloud Run.
- Product Engineering:** Engineered a locale-aware interface from self-designed Figma prototypes, implementing a custom scoring algorithm for instant UX feedback.

### Lumi Diary Digest | Full Stack & RDBMS [Live](#) | [GitHub](#) | [Demo Video](#)

- Stack:** Next.js, TypeScript, Tailwind, Supabase, Prisma
- Engineering:** Designed a type-safe relational schema (Prisma) and secure auth, utilizing Server Actions for optimized data performance.

### Personal Portfolio | Interactive Frontend & CMS [Live](#) | [GitHub](#) | [Demo Video](#)

- Stack:** Next.js, TypeScript, Tailwind, Framer Motion, Sanity (Headless CMS)
- Content Pipeline:** Architected a dynamic content pipeline using Sanity CMS, enabling real-time content updates without redeployment.
- UX Engineering:** Built a fluid, high-performance interface with Framer Motion, optimizing rendering performance for complex animations.

## PROFESSIONAL EXPERIENCE

### PranaQ | *Business Development Specialist & Project Manager* 2024.05-2025.08

- Technical Design:** Translated complex business requirements into technical specifications and data schemas for the TipTraQ Admin Panel, guiding the engineering team on implementation.
- QA & Agile:** Systematized QA workflows, converting 50+ ad-hoc test sessions into structured ClickUp tickets to accelerate the product launch.

### Boston Consulting Group | *Part-time Assistant (Strategy Intern)* 2023.04-2024.01

- Strategy:** Conducted quantitative modeling and synthesized complex datasets for international Tech & Finance client strategies.

### KPMG Digital Village | *Data Science Researcher (Intern)* 2022.09-2023.04

- ML & Automation:** Developed clustering models (Python) for customer segmentation and automated data pipelines, reducing manual reporting time by 30%.

### Cathay Financial Holdings | *Data Analytics Summer Intern* 2021.07-2021.08

- SQL Pipelines:** Optimized SQL queries for large-scale datasets (500k+ records) and built predictive models to automate sales reporting for 20k+ users.

## AWARDS & LEADERSHIP

### Google 2022 AI Winter Competition | *2nd Place & Team Lead* 2022.02

- Built an autonomous PyTorch (DQN/PPO) agent for 3D obstacle avoidance.

### Fidelity FinTech Innovation Challenge | *Finalist & Team Lead* 2021.12-2022.02

- Proposed AI & Blockchain strategies for future banking data security.

### NCCU Data Analytics Student Society | *Founder & President* 2021.01-2022.07

- Founded society connecting 200+ students to corporate projects (Acer, LINE Taxi, etc.).

## EDUCATION

### University of London, London School of Economics and Political Science 2022-2024

Undergraduate Coursework in Mathematics & Economics

### National Chengchi University 2019-2022

Undergraduate Coursework in Foreign Languages & Economics (Minor)