

# 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

Former Product Manager transitioning to Software Engineering. Background in Data and Economics. Experienced in cross-functional collaboration with engineering teams. Now building scalable applications using Next.js and TypeScript. Holder of FE/SG (IPA) certifications.

## Skills

- Frontend:** Next.js, TypeScript, Tailwind, JavaScript, React
- Backend:** Supabase, Prisma, Node.js (basics), REST APIs
- Data:** Python (pandas, sklearn), SQL
- Tools:** Git, Figma

## Languages

- English:** Professional, C1 (IELTS 8.0)
- Japanese:** Business Capable, B2 (JLPT N1)
- Chinese Mandarin:** Native
- Korean:** Basic, A2 (TOPIK Level 2)

## 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

- AWS Cloud Practitioner Essentials (course)

### Data Analytics

- Google Data Analytics Professional Certificate

## FEATURED PROJECTS

### Charm Money Indicator | Frontend & Design

Live | [GitHub](#) | [Demo Video](#) | [Figma](#)

- Stack:** Next.js, TypeScript, Context API, Recharts
- UX:** A FinTech onboarding tool utilizing psychometric profiling to assess and visualize financial archetypes.
- Engineering:** Engineered a client-side scoring engine to calculate results with zero latency; implemented dynamic Radar Charts for real-time visualization.

### Lumi Diary Digest | Full Stack

Live | [GitHub](#) | [Demo Video](#)

- Stack:** Next.js, Supabase, Prisma, Server Actions
- UX:** A scalable journaling application enabling secure daily logging and history tracking.
- Engineering:** Implemented Server-Side Authorization to ensure strict data privacy; leveraged Prisma and Supabase to build a type-safe, scalable data schema.

### Personal Portfolio | Full Stack

Live | [GitHub](#) | [Demo Video](#)

- Stack:** Next.js, Sanity (Headless CMS), Framer Motion, Tailwind
- UX:** A centralized digital hub showcasing engineering projects through a fluid, premium interactive interface.
- Engineering:** Architected a Sanity Headless CMS for dynamic content; integrated Formsprees for serverless forms and Framer Motion for page transitions.

## PROFESSIONAL EXPERIENCE

### PranaQ | *Business Development Specialist & Project Manager*

2024.05-2025.08

- Tech Specs & Design:** Designed the internal usage tracking database and algorithm flows for TipTraQ, delivering technical specs to guide engineering.
- QA & Agile:** Executed hardware-software tests and systematized 50+ sessions into tickets, driving refinements for the US-based Pre-Series A 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:** Built Clustering models (Python) for segmentation and developed Tableau dashboards, reducing reporting time by 30%.

### Cathay Financial Holdings | *Data Analytics Summer Intern*

2021.07-2021.08

- SQL Pipelines:** Optimized SQL pipelines for 500k+ records and built sales prediction models automating reports for 20k+ users.

## AWARDS & LEADERSHIP

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

2022.02

- Reinforcement Learning:** Developed an autonomous agent using PyTorch (DQN/PPPO) for 3D navigation, optimizing obstacle avoidance.

### NCCU Data Analytics Student Society | *Founder & President*

2021.01-2022.07

- Leadership:** Founded and led a 22-member organization connecting 200+ students with corporate analytics projects (Acer, LINE Taxi).

## 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)