


Chin-Ho Lin

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Experience

Intelllex

Singapore

Senior Data Scientist

Feb 2021 - Aug 2023

- Revolutionized our platform by integrating OpenAI's GPT model, delivering more precise search results, and generating comprehensive Q&A responses.
- The innovation has earned positive feedback from legal web media and recommendations in our customer's blog post, propelling the platform to an all-time subscription high.

Data Scientist

Jan 2021 - Jan 2023

- Proactively partnered with legal experts and designers throughout sprint planning, feature implementation, and quality assurance, ensuring seamless collaboration and optimal results.
- In charge of the platform search functionality, I designed and implemented algorithms and APIs to ensure efficient information retrieval and search engine optimization (SEO).
- Empowered our business team by delivering the requested functionalities and features, enabling them to secure partnerships with 10+ law and accounting firms and win new customers.

Junior Data Scientist

Jul 2019 - Dec 2020

- Built a suite of data science microservices for efficient preprocessing, indexing, and ranking of user queries and documents, empowering advanced search functionalities.
- Spearheaded a 22.1% performance boost in our query processing pipeline by completely overhauling and rebuilding the entity extraction module.
- Contributed to the development of efficient crawlers, data pipelines, and SQL database access by collaborating with DevOps engineers.

Education

National Taiwan University (NTU)

Taipei, Taiwan

Master of Science in Computer Science and Information Engineering

Sep 2015 - Aug 2017

- Overall GPA: 4.25/4.3, Rank: 5/131
- Thesis: Learning to Map Natural Language Statements into Knowledge Base Representations for Knowledge Base Construction ([LREC 2018](#))

Projects

Intelllex: Scott

2023

GPT, Milvus/zilliz, FastAPI, PostgreSQL, AWS

- Scott is a legal research Q&A platform enabling efficient and accurate exploration of legal issues through natural language queries, leveraging curated case references for reliable insights. [\[Demo\]](#) [\[Live\]](#)

Side Project: o~dyssey AI

2023

GPT, DALL-E, Google Lens, Google Maps API, Sentry, FastAPI, PostgreSQL

- o~dyssey leverages AI models to recommend travel destinations based on user mood descriptions. These recommendations are visualized and readily accessible through Google Maps integration. [\[Demo\]](#) [\[Live\]](#)

Intelllex: finreg.sg

2022

Golang, Elasticsearch, PostgreSQL, RESTful API, Kubernetes, Docker, Cronjob

- Finreg is a legal knowledge base for Singaporean financial regulations, featuring over 1,000 Q&A entries organized with an ontology and enhanced features for efficient access to trustworthy insights. [\[Demo\]](#) [\[Live\]](#)

Skills

- Strong: Python, Natural Language Processing, Elasticsearch, Docker, Go, Linux, Regex
- Knowledgeable: Machine Learning, SQL, Gitlab CI, Clojure, Kubernetes
- Languages: Chinese, English