


# Chin-Ho Lin

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## Experience

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### Intelllex

Singapore

Senior Data Scientist

Feb 2023 - 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

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### 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

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### 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

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