Alex Lin *Deep Learning, Data Engineer*

**Summary**

As an experienced deep learning developer, familiar with languages such as Python, and R. Have perfect solving skills using frameworks such as TensorFlow and PyTorch. Have a history of developing chatbots using natural language processing, ChatGPT, and Generative AI, and there are great examples of using them. Especially proficient in Text-To-Speech, Speech-To- Text and Computer Vision.

# Professional Experience

**Data Engineer,** *Blue J Legal* 02/2022 – 06/2023

Designed and Developed 2M pdf data-based Fast Law-Search ChatGPT using Open-AI, Elastic search, and Pine-cone vector database, and after 2 weeks, the number of users became 20,000.

Implemented PySpark for large-scale data processing and analytics, handling datasets with 2 million records and reducing processing time by 30%.

Utilized data mining techniques to extract valuable insights from complex datasets, including data extraction, cleaning, transformation, and analysis on datasets containing over 100 million records.

Collaborated with data scientists to develop and implement natural language processing models using OpenAI's GPT-3, improving text classification accuracy by 3%.

**NLP Engineer,** *Raven.ai* 10/2018 – 12/2021

Developed an NLP system that automatically classified 7.5K emails as spam or advertising mail using 3+ natural language processing methods.

Designed Text-classification Model using low CPU, memory, and Classified 1, 250, 000 PDF files for building Search Database.

Trained 2 Chinese-English machine translation systems that outperformed Google Translation using Transformers and some manually organizing models

Developed the Chinese-tone learning system using AWS, TTS model, and 4TB No SǪL DB. Improved the Processing time of the TTS model from 5s to 2s using distributed voice generation and cached memory.

Build the OMR Program using Unet and customized Sheet-Music Parsing Technology.

**Full Stack Engineer,** *Illumino* 06/2017 – 08/2018 Developed 8 new responsive Web Design products and 30 new features.

Analyzed 5 modern JavaScript-based products that use company NLP and data services. Experimented, explored, and coded 15 new UI building blocks used to create smart, beautiful, enterprise-level software experiences.

Translated 30+ UI/UX designs to code, resulting in visual elements of the application

# Education

## [Dresden University of Applied Sciences,](https://www.topuniversities.com/universities/hochschule-fur-technik-und-wirtschaft-dresden)

[*Bachelor Degree's in Computer Science*](https://www.topuniversities.com/universities/hochschule-fur-technik-und-wirtschaft-dresden)

04/2015 – 03/2017 | Dersden, German

## The Hong Kong Polytechnic University,

*Advanced Diploma*

09/2012 – 03/2015

Hong Kong, Hong Kong