Alex Lin

Deep Learning, Data Engineer

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Summary

Talented Deep Learning Engineer with 7 years of remarkable experience
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 SQL 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

Languages

English   ●●●●○   Chinese   ●●○○○

Education

Dresden University of Applied Sciences,   04/2015 – 03/2017 | Dersden, German
Bachelor Degree's in Computer Science 🔗

The Hong Kong Polytechnic University,   09/2012 – 03/2015
Advanced Diploma   Hong Kong, Hong Kong

Skills

Program Langauge
- *C++*
- *Python*
- *Matlab*
- *Scalar*
- *R*
- *HTML/ CSS*
- *Javascript*

Dev Ops
- *Git/Github*
- *Docker*
- *Kubernetes*
- *Jenkins*
- *AWS*

Web Development
- *Mern Stack*
- *Django*
- *Flask*

Deep learning
- *Tensorflow*
- *Pytorch*
- *Keras*
- *Computer Vision*
- *Text-To-Speech/Speech-To-Text*
- *ChatGPT*
- *Generative AI*
- *Natural Language Processing*
- *Object Detection / OCR / OMR*