

William Jin

Full Stack and Artificial Intelligence Engineer

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EDUCATION

Bachelor of Science

The Hong Kong University

📅 09/2011 - 07/2015

SKILLS

Artificial Intelligence

NLP LLM Computer Vision

Neural Network Design

Model Optimization

Prompt Engineering

Backend

Node.js / Express / NestJS

Django / Flask Go

Spring Boot / Spring MVC

REST / GraphQL / Prisma

Frontend

JavaScript / TypeScript

Next.js / React / Angular / Vue

Tailwind CSS

Material UI / Chakra UI

Blockchain

Rust / Cosmwasm

Golang / Cosmos SDK Solidity

Web3.js / Ether.js / Cosm.js

Other

PyTorch / Tensorflow

Numpy / Scipy / Matplotlib

GCP / AWS / Docker

MongoDB / PostgreSQL / MySQL

SUMMARY

Highly skilled and motivated **Full Stack Engineer** with **8 years** of experience in **software development** and a specialization in **Artificial Intelligence, Blockchain** enthusiast. Experienced in designing, developing, and implementing **innovative applications** leveraging **AI** and **Blockchain**. Proven ability to manage projects from concept to completion, collaborating with cross-functional teams to drive **successful outcomes**. Exceptional **problem-solving** skills and a strong dedication to delivering high-quality and scalable solutions. Committed to staying **up-to-date** with the latest advancements in **AI** and **Blockchain**, continuously enhancing technical proficiencies

EXPERIENCE

Artificial Intelligence Software Developer

RazorThink

📅 02/2020 - 07/2023 📍 Redwood City, CA

Enterprise AI Solutions company

- Designed and implemented a product recommendation system using **ChatGPT** and **LangChain**, resulting in **35% increase** in User Satisfaction
- Developed a **semantic analysis** model based on **Bert**, achieved **5% accuracy** improvement
- Constructed and optimized a **conversational chatbot** utilizing **Llama**, resulting in a memory usage reduction to **25%** and an achieved output speed of **300 token/s**
- Developed **Super Resolution** using **GAN**
- Developed the **Speech Enhancement System (UNet and LSTM integration)** to enhance **SER** system accuracy and achieved **+0.24%** accuracy improvement

Full Stack Engineer

Convr

📅 05/2017 - 01/2020 📍 Schaumburg, IL

AI underwriting platform

- Contributed to **Feedback Analysis** system and developed **Rating Analysis** model
- Finetuned the **transformer** model so that could fit to **Speech Emotion Recognition** case and achieved **81.82%** accuracy
- Developed a **Facial Emotion Recognition** model as a collaboration of **Bi-LSTM, CNN** and achieved **63.12%** accuracy
- Built **robust, scalable** backend systems using **Golang**, playing a significant role in a **30%** increase in application performance
- Innovated **user-friendly** web applications using **React, Next.js** and **Node.js**
- Optimized the **ERP platform** for **scalability** and **performance**, using techniques such as **SSR** and **caching** to improve load times

Front End Developer

Diginex

📅 09/2015 - 04/2017 📍 Hong Kong

Diginex is a digital financial services and blockchain solutions company

- Wrote **reusable React components** including buttons, list, cards, modals, sliders, navigation menus, etc from Figma designs
- Implemented **HoCs, functional components** and **code splitting** to enhance code **readability** and **maintainability**, resulting in reduced bundle sizes **by 10%** and increased efficiency
- Developed **4+ web applications** by using responsive UI elements via **React** concepts for **smooth performance**
- Created a web application that **allowed 75K users** to search for nearby restaurants based on their location with **89% accuracy**
- Developed **3+ core marketplace** Frontend and **web3 integration** using web3.js
- Maintained the **2+ marketplace** websites using **Rust/Solana** based on **LLVM** and developed **SPL-Token** with low rent