Lance Nguyen

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Objective

Self-taught developer with a solid understanding of data structures and algorithms, seeking a challenging software engineering role to leverage expertise in generative AI technologies to deliver valuable innovation for the business.

Skills

Languages: Python, JavaScript, HTML, CSS
Frameworks: PyTorch, LangChain, LlamaIndex, Django, Flask
Tools/Other: Retrieval-Augmented Generation (RAG), Prompt Engineering, LLMs, Debugging, Git

AI Projects

LLM Optimization with RAG | [Website](#)
- Analyzed LangChain and LlamaIndex frameworks to experiment with RAG techniques, exploring advanced indexing and vector store embeddings for enhanced retrieval mechanisms
- Built a Streamlit app for users to upload PDFs and interact with external data

SpotOn (Review Analysis) | [Website](#)
- Architected an efficient communication pipeline between OpenAI API and Google Places API to automate query responses about reviews, enabling search functionality and location data retrieval

Qdoc (Article Assistant) | [Website](#)
- Designed an article assistant to utilize an LLM for web article summarization, reducing screen time by 90%
- Implemented a context-aware chatbot system for generating user-centric responses

CooPA (Search Chatbot) | [Website](#)
- Engineered GPT-3.5 to return contextually relevant responses based on aggregated content from Google search results
- Enhanced content aggregation accuracy by leveraging BeautifulSoup for web scraping

AI Chrome Extensions | [Github](#)
- Developed extensions to interact with an LLM for language analysis and transformation

Experience

AI Training, *Mentorship*   *January 2023 – Present*
- Engaged in a private course of AI studies with a senior AI researcher from Nvidia, focusing on advanced AI techniques and frameworks

Medical Biller/Assistant Bookkeeper, *Pacific Hearing Service*   *April 2022 – March 2023*
- Managed end-to-end billing processes, submitting 400+ claims and resolved 100+ open invoices on CounselEar, resulting in 72% increase in client retention and $46k in revenue generation

Professional Tennis Coach, *Lu Tennis Academy*   *April 2014 – April 2022*
- Collaborated with coaching staff to empower 600+ students by executing training programs for all levels, leading to improved tournament ratings up to: Blue Chip, 13 UTR, and 5.5 NTRP

Education

Bachelor of Science in Kinesiology, *San Jose State University*   *August 2019*

Online AI Courses: Andrej Karpathy - Neural Networks, DeepLearning.AI - Prompt Engineering, LangChain Chat with Your Data, Building and Evaluating Advanced RAG Applications