Lance Nguyen

lancemnguyen@gmail.com | [Portfolio](#) | [LinkedIn](#) | [Github](#)

Professional Summary

Former professional tennis coach transitioned to a software developer with 1 year of AI engineering experience, eager to build and maintain AI applications and optimize RAG systems.

Skills

Languages and Tools: Python, JavaScript, HTML, CSS, Git, Flask, Django, AWS, Streamlit
Machine Learning Stack: PyTorch, LLMs, Prompt Engineering, LangChain, LlamaIndex, RAG

AI Projects

LLM Optimization with RAG | [Website](#)
- Analyzed LangChain and LlamaIndex frameworks to experiment with RAG techniques, exploring advanced indexing, vector store embeddings, and retrieval mechanisms

SpotOn | [Website](#)
- Architected an efficient communication pipeline with OpenAI API to generate answers to queries based on place reviews, ensuring a personalized and insightful interaction for users
- Automated data retrieval from Google Places API to enable place search functionality, using the API's powerful features for retrieving detailed information about places

Qdoc | [Website](#)
- Created an AI-powered article assistant that uses GPT-3.5 to summarize web articles and PDFs
- Designed a chatbot system that combines article content, user queries, and conversation history for GPT-3.5 to generate context-aware responses

CooPA | [Website](#)
- Implemented a LLM to generate contextually relevant responses by analyzing aggregated content from Google Search API results based on user queries
- Optimized the accuracy and reliability of content aggregation by using the BeautifulSoup library to web scrape visible text from HTML content retrieved through the Google Search API

aiXtensions | [Github](#)
- Developed 2 Chrome extensions that allow users to interact with a LLM by:
    - [**LookItUp**] Seeing the definition, synonyms, and antonyms of highlighted text
    - [**Persona**] Transforming highlighted text into different styles of language

Work Experience

Medical Biller/Assistant Bookkeeper, *Pacific Hearing Service*   *April 2022 – March 2023*
- Managed end-to-end billing processes, submitting 400+ claims on CounselEar which resulted in increased client retention; concurrently, resolved 100+ open invoices for prompt payment

Professional Tennis Coach, *Lu Tennis Academy*   *April 2014 – April 2022*
- Empowered 600+ students by executing training programs for beginner to national levels, which resulted in improved tournament ratings as high as: Blue Chips, 13 UTR, and 5.5 NTRP

Education

San Jose State University, *Bachelor of Science in Kinesiology*   *August 2019*
- Dean's Scholar Award
- Captain of Club Tennis Team: directed tournaments and managed logistics for club events

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