

# Lance Nguyen

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## Objective

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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

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**Languages:** Python, JavaScript, HTML, CSS

**Frameworks:** PyTorch, LangChain, LlamaIndex, Django, Flask

**Tools/Other:** Retrieval-Augmented Generation (RAG), Prompt Engineering, LLMs, Debugging, Git

## AI Projects

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### 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

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### 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

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### 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