

# Lance Nguyen

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## Summary

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Highly driven and collaborative software engineer with a solid understanding of AI application architectures, seeking a challenging position 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](#)

- Built a web application that allows users to upload documents and interact with their data
- Evaluated and improved the RAG architecture through an iterative process, achieving a 84% increase in the accuracy of responses for a 600-page document

### SpotOn - Review Analysis | [Website](#)

- Architected a streamlined communication system between OpenAI API and Google Places API to facilitate query responses about reviews, leading to a 93% boost in operational efficiency for location data retrieval

### Qdoc - Article Assistant | [Website](#)

- Developed an article assistant featuring a chatbot with memory capabilities to summarize web pages and provide tailored responses to inquiries, resulting in a 89% reduction in screen time

### CooPA - Search Chatbot | [Website](#)

- Prompt engineered GPT-3.5 to produce contextually relevant responses based on aggregated content from Google search results, keeping the LLM up-to-date on current information
- Implemented the BeautifulSoup library for web scraping which led to a 62% improvement in the effectiveness of responses compared to other parsing methods

### AI Chrome Extensions | [Github](#)

- Created two extensions that highlight text on a site for language analysis and transformation

## Experience

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### AI Engineer, Mentorship

January 2023 – Present

- Engaged in a private study with a senior AI researcher from Nvidia, deploying full-stack web applications that focus on advanced AI techniques and frameworks

### Medical Biller/Assistant Bookkeeper, Pacific Hearing Service

April 2022 – March 2023

- Managed end-to-end billing processes by clearing 400+ claims and 100+ open invoices on CounselEar, accomplishing a 71% increase in client retention and \$54k in revenue generation

### Professional Tennis Coach, Lu Tennis Academy

April 2014 – April 2022

- Collaborated with the 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