FINLEY BEECH

Natural Language Processing Engineer

@ finleybeech10@gmail.com   ◉ Vancouver, BC, Canada

SUMMARY

As an experienced NLP engineer with 7 years of expertise, I have a strong foundation in Transformer models, Model Optimization, and deployment. My experience includes LLM Chatbot development. I am passionate about staying up-to-date with the latest advancements in AI/ML technology and delivering high-quality solutions. Special talent in Speech Processing and LLM fine tuning.

EXPERIENCE

NLP Engineer

Symend

📅 05/2020 - 05/2024   ◉ Washington

Symend helps top enterprises deliver digital experiences that are hyper-personalized based on the science behind consumer behavior.

- Implemented a sales bot with no halluciation. Use n-sql Llama to query to sql database and generate accurate response, resulting in chat engine with accurate response.
- Optimize Bark TTS model with TensorRT and deployed it on GKE, driving 350% increase in speed and serving 30000+ queries a day.
- Fine-Tuned Llama2 model based on customer feedback to build a sales assistant, increased customer satisfaction rate
- Built a Chat Engine with Pinecone knowledge base and Llamaindex. Use function calling to call the external API from the chat engine directly, reaching a user satisfaction rate of 4.6.
- Analyzed data for a blockchain company, including transaction data, user behavior, and network performance, using statistical analysis and machine learning techniques, resulting in insights and recommendations for improving the blockchain network's efficiency and scalability

ML Engineer

Appnovation

📅 10/2017 - 03/2020   ◉ Vancouver, BC

Appnovation is a global Digital Solutions and Managed Services provider, delivering strategy, app development and enterprise integrations.

- Built product recommendation engine with BERT, increasing customer satisfaction rate
- Collaborated with a team of data scientists to develop a speech-to-text transcription system

Junior Machine Learning Engineer

Procurify

📅 02/2016 - 10/2017   ◉ Vancouver, BC

Procurify is a cloud-based procurement software company that provides solutions to help businesses streamline their procurement processes.

- Developed and implemented machine learning algorithms and solutions for the company's procurement software platform, resulting in a 22% decrease in response time
- Conducted data analysis, model development, and testing to ensure successful implementation of ML solutions, resulting in a 90% accuracy rate for ML modelsion in processing time

SKILLS

Program Language

C/C++   Python   Java

JavaScript

LLM Frameworks

LangChain   LlamaIndex   CrewAI

AutoGen   Dialogflow   Flowise

Ollama   LiteLLM

NLP Frameworks

Transformers   Accelereate

Sentence Transformers   TRL

Bitsandbytes   VLLM   TensorRT

cTranslate2   PEFT

Prompt Logging Framework

LangSmith   Helicone

Cloud Platform

GCP   AWS   lambdalabs

Runpod

Database

MySQL   SQLite   MongoDB

PostgreSQL   Redis   Pinecone

Weaviate

EDUCATION

Bachelor's Degree of Computer Science

British Columbia Institute of Technology

📅 04/2012 - 02/2016