Jordan Blake

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Professional Summary

AI Engineer with 4+ years of experience designing, developing, and deploying machine learning and Large Language Model (LLM) solutions. Specialized in LangChain-based autonomous agents, resume parsing systems, document intelligence, and enterprise Generative AI applications. Strong background in Python, deep learning, and end-to-end ML pipelines with a focus on production readiness and scalability.

Technical Skills

- Programming Languages: Python, SQL, Bash
- Machine Learning: Deep Learning, Transformers, Knowledge Distillation
- Generative AI: LangChain, OpenAI API, Anthropic Claude, Prompt Engineering
- NLP: Resume Parsing, Text Classification, Summarization, Semantic Similarity
- Frameworks & Tools: PyTorch, HuggingFace, Docker, Git, Linux, REST APIs

Professional Experience

AI Engineer – Vertex Intelligence (Toronto, Canada)
January 2022 – Present

- Designed and deployed LangChain-based autonomous agents to automate resume screening and candidate–job matching workflows.
- Built LLM-driven pipelines that dynamically determine control flow using tool calling and structured output parsing with Pydantic.
- Integrated OpenAI and Anthropic APIs to support multiple enterprise GenAI use cases.
- Developed document ingestion pipelines using PDF parsing and web-based job description extraction.
- Collaborated with product and backend teams to deploy AI services in production environments.
- Improved inference latency and reliability through prompt optimization and retry handling.

Selected Projects

- **LLM-Based Resume–Job Matching Agent:** Built a LangChain-powered agent where the LLM determines tool usage to extract resume data, analyze job descriptions, and produce structured candidate fit scores.
- **Enterprise Document Intelligence System:** Designed a document understanding pipeline using transformer models for classification and summarization of large-scale documents.
- **Knowledge Distillation for NLP Models:** Implemented teacher–student distillation techniques to reduce model size while preserving performance on benchmark tasks.

Education

Master of Science in Computer Science
University of British Columbia, Vancouver, Canada
2020 – 2022