Colin Campbell
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Summary

AI Engineer with 7 years of experience building intelligent systems for E-commerce and Retail industries. Specialized in language models, recommendation engines, and AI-driven automation. Skilled in building scalable backend systems and user-centric AI tools. Seeking a remote role where I can contribute to real-world impact through AI innovation.

Professional Experience

Senior AI Engineer – NovaCommerce AI (Remote)
Sep 2023 – May 2025

- Led a team in developing a product recommendation system with real-time personalization.
- Built LangChain-based assistants to automate internal business workflows.
- Designed prompt templates and RAG pipelines for dynamic e-commerce FAQs.

AI Consultant – Algopix (Remote)
Dec 2021 – Aug 2023

- Helped e-commerce clients use AI to improve pricing, competition analysis, and product research.
- Built automated product matching systems using vector similarity and LLMs.
- Created custom dashboards for product opportunity scoring and trends.

AI Engineer – Veeqo (Remote)
Nov 2019 – Nov 2021

- Developed LLM-based tools for customer query classification and smart tagging.
- Automated product label generation and inventory summaries using OpenAI APIs.
- Managed cloud deployments with Docker, GitHub Actions, and AWS ECS.

AI Developer – ShipHawk (On-site, California)
Jul 2018 – Oct 2019

- Developed forecasting tools for shipping logistics and pricing models.
- Built internal NLP tools to extract insights from delivery records and vendor notes.

- Worked with engineering team to integrate predictions into dashboards.

Education

MSc in Computer Science – Carnegie Mellon University (CMU)
Graduated: 2018

- **Focus:** Artificial Intelligence & Human-Centered Computing
- **Capstone Project:** AI for Retail – Personalization Systems for Fashion E-commerce

BSc in Computer Science – University of Wyoming
Graduated: 2016

- Focus: Software Engineering, Machine Learning Foundations

Skills

AI & Machine Learning

- Large Language Models (LLMs): OpenAI GPT-3.5/GPT-4, LangChain, Hugging Face Transformers
- Vector Search: Pinecone, FAISS
- NLP: Text classification, summarization, named entity recognition (NER)
- ML Frameworks: Scikit-learn, TensorFlow (basic), XGBoost, pandas, NumPy
- Prompt Engineering: Few-shot prompting, RAG (Retrieval-Augmented Generation)
- Data Handling: CSV, JSON, SQL, PDF extraction, web scraping with BeautifulSoup

Cloud & DevOps

- AWS Services: Lambda, S3, SageMaker, EC2, DynamoDB, IAM
- Deployment: Docker, GitHub Actions, CI/CD pipelines
- Monitoring & Logging: CloudWatch, Logs Insights

Full Stack & API Integration

- Languages: Python, JavaScript, Node.js
- Frameworks: Express.js, React
- Databases: MySQL, MongoDB, PostgreSQL
- APIs: RESTful APIs, OpenAI API, third-party integrations

Remote Work Tools & Workflow

- Version Control: Git, GitHub
- Communication: Slack, Zoom
- Collaboration: Trello, Notion, Figma
- Methodologies: Agile, Scrum, async communication