

Chris Moroney

SOFTWARE / MACHINE LEARNING ENGINEER

About Me

Results-driven software engineer with a strong foundation in generative AI, machine learning, and full-stack development. Experienced in building end-to-end applications that integrate AI models, optimize data pipelines, and scale seamlessly in cloud environments. Passionate about cutting-edge AI and practical software engineering, while fostering strong team collaboration and delivering real-world impact.

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<https://github.com/chrismoroney>

<https://chrismoroney.info/>

Education

B.S. - COMPUTER SCIENCE

Seattle Pacific University, Seattle WA
2019 - 2021

A.A. - COMPUTER SCIENCE

Bellevue College, Bellevue, WA
2017-2019

Skills

TECHNICAL

AI and Data Science: TensorFlow, Pandas, PyTorch, AI Model Deployment, OpenAI API, Tokenization, Prompt Engineering, Agentic Workflows

Languages: Python, Java, JavaScript, C, C++, C#

Databases: SQL Server, MongoDB, SQLite, Azure Data Explorer

Frontend: HTML, CSS, React.js, Angular.js, Bootstrap

Backend: .NET, Node.js, J2EE, Google Cloud, Heroku

Cloud & DevOps: Azure, Terraform, CI/CD, Git, Github

Certifications

[TensorFlow Developer Certificate](#)

TensorFlow.Org
November 2023

[TinyML Certificate](#)

HarvardX
April 2021

[AI Professional Certificate](#)

Deeplearning.ai
October 2019

Work Experience

CURRICULUM SOFTWARE / AI ENGINEER

Cisco via Artech L.L.C, Remote

April 2025 - Present

- Developed an **agentic workflow** using **Generative AI** to **automate** job search tasks—leveraging **LLMs** for resume-job matching, personalized cover letter generation, and tracking via spreadsheets.
- Utilized **Python**, **Google Colab**, and the **OpenAI API** to build and deploy AI-powered agentic workflows.
- Applied **prompt engineering techniques** to iteratively **refine prompts** and **optimize LLM output quality**, improving **accuracy and relevance** of generated responses
- Co-created and delivered technical curriculum on **Generative AI**

SOFTWARE ENGINEER

Milliman, Seattle, WA

January 2023 - February 2025

- Architected **backend services** in **.NET** that supported **~1M API calls/month**, enabling **reliable performance at scale**.
- Built and maintained **RESTful APIs** used across multiple teams, **reducing code duplication** and accelerating development timelines
- Led **full-stack development** initiatives, utilizing **React.js** and **.NET**
- Created **Generative AI** application with **LLMs** to summarize differences between insurance pricing models from year-to-year
- Engineered **data pipelines** for **large-scale datasets (200TB+/month)**
- Led **Azure** deployments using **Terraform**, reducing environment drift and cutting provisioning time from **several days to around 2 hours** via **Infrastructure as Code (IaC)**.
- Managed CI/CD pipelines** in **Azure DevOps**, enabling automated testing and deployment that cut **release cycles by ~20%** and **improved deployment success rate**.
- Facilitated **daily standups and client meetings**, aligning technical execution with business goals while **mentoring junior engineers** to improve team productivity and code quality.

SOFTWARE DEVELOPMENT ENGINEER I

Cambia Health Solutions, Seattle, WA

January 2022 - January 2023

- Developed and maintained **QA** processes to validate medical data.
- Optimized **post-processing scripts** written in **Python** that transformed grouped medical data into actionable insights.
- Translated legacy SAS code into **Python**

AI / ML SOFTWARE ENGINEER INTERN

Deeplearning.ai, Palo Alto, CA

June 2021 - September 2021

- Developed AI models with **TensorFlow** for medical imaging.
- Designed and deployed **ML workflows** on Google Cloud