

About Me

MLOps Programmer Analyst at Johns Hopkins - (Started Dec. 2024)


Hi, I am Kyle. Welcome to my personal website!

Towards the end of my time in college, ChatGPT 3 was released, and I instantly fell in love with machine learning.

My expertise includes general IT, deep learning models + prompt engineering

When I'm not coding, you can find me exploring new technologies, working out, or playing video games (My favorite is StarCraft 2!).



 Chat with My AI Assistant

About My Profile Image

The professional headshot you see was created using AI image generation early in 2024. I needed a professional photo for LinkedIn, and I did not have one. Instead of buying a suit, and getting a professional photo, I setup a local instance of the Fooocus repo. I took ten selfies as reference photos, and spent about 10 hours generating photos on my computer with an AMD GPU. I obtained a newfound appreciation for CUDA, and have since gotten an Nvidia GPU.

Were you fooled by this AI Photo? The most "AI" feature of this photo is the cool lightbar it added on the right. I was prompting for "Professional Lighting", and it added this random beam of light which I LOVE.

My Projects

Skin Cancer Classification Model

Distinguishes between malignant and non-malignant skin lesions using image and tabular metadata. Used a pretrained Resnet-50 model for image feature extraction. The image output + tabular data is combined into fully connected layers for final classification.

Technologies:

- Python
- PyTorch
- Pandas
- Scikit-Learn

[View on GitHub](#)

Module 1 Project: Personal Website

Featured

This website was created as part of the JHU EP 605.256 – Modern Software Concepts course. It features a Flask backend with HTML templates and CSS styling. The site includes information about me, my projects, and contact details. I also added a personal chatbot that will answer questions about me. The chatbot was created using the assistants feature on the OpenAI website.

Technologies:

- Python
- Flask
- HTML/CSS
- Jinja2 Templates
- OpenAI API

[View M1 Project on GitHub](#)

Contact Information

Email

kwoolfo4@jh.edu

LinkedIn

[Kyle Woolford](#)

GitHub

github.com/kwoolfoord25

I'm always open to discussing new projects, opportunities, or collaborations. Feel free to reach out through any of the channels above!

Chat with My Assistant

Feel free to ask me questions about Kyle's background, skills, projects, or request to see his resume! I am dirt cheap, ask away!

Backend Model: gpt4.1 Nano. Pricing: Input: \$0.100 / 1M tokens | Output: \$0.400 / 1M tokens

i This chat interface refreshes with each message due to technical constraints. Your conversation history is preserved. Once JavaScript is integrated no refreshes will be necessary.

Hello! I'm Kyle's assistant. How can I help you today?

Type your message here...

Send

Reset

Feel free to ask me questions about Kyle's background, skills, projects, or request to see his resume! I am dirt cheap, ask away!

Backend Model: gpt4.1 Nano. Pricing: Input: \$0.100 / 1M tokens | Output: \$0.400 / 1M tokens

i This chat interface refreshes with each message due to technical constraints. Your conversation history is preserved. Once JavaScript is integrated no refreshes will be necessary.

Tell me about Kyle. What are some of his interests? What does he do?

Kyle Woolford is interested in space exploration, astronomy, technology, video games, health and longevity science, and the future of humanity. He works as an MLOps Programmer Analyst at Johns Hopkins, focusing on implementing technologies to improve patient outcomes with a specialization in machine learning and healthcare data.

Can you show me his resume?

I'd be happy to show you Kyle's resume! You can find it at the bottom of the

Type your message here...

Send

Reset

Try asking:

What projects has Kyle worked on?

Can I see Kyle's resume?

What are Kyle's technical skills?