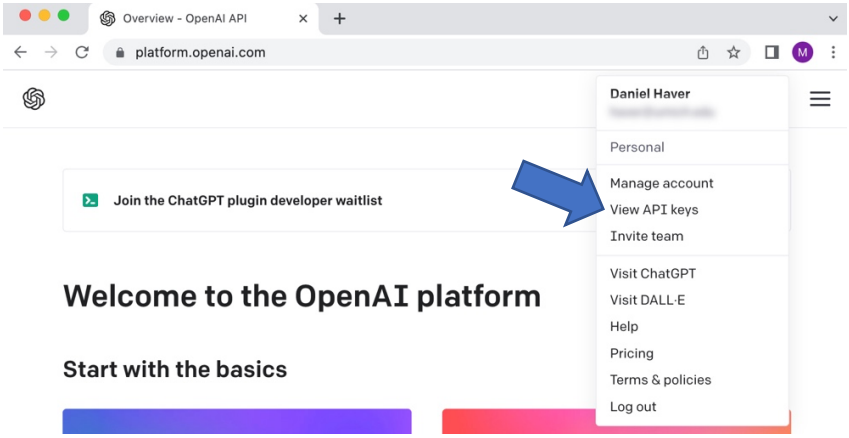
Create an AI Generated Background for LinkedIn

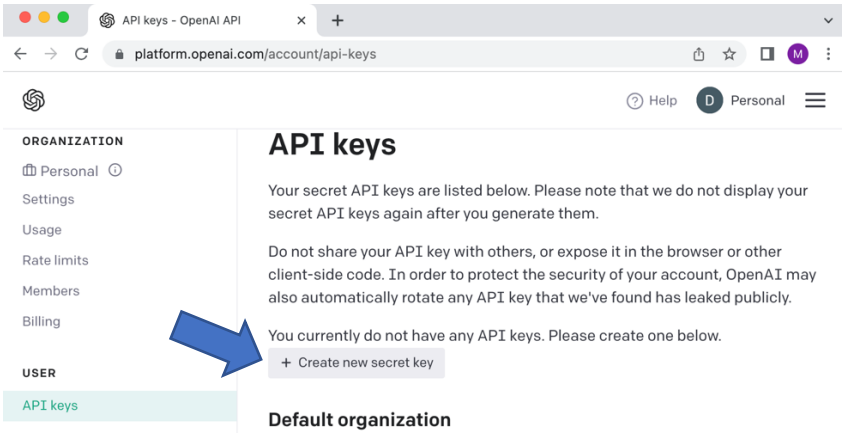
Looking for a new background image for LinkedIn that showcases your professional skills and personal brand? Interested in using artificial intelligence? One of the quickest solutions for both is DALL-E, a state-of-the-art AI image generation model developed by OpenAI. This article will give you a simple overview for programmatically accessing DALL-E and using the results for your LinkedIn background.

Getting Started

The first step to use DALL-E is to register for an account on the OpenAI platform. After setting up your account, you will need to generate a secret API key by navigating to the View API keys section found under your account information.



The secret API key will be used in your code to access OpenAI APIs. Click on the button to create a new secret key. Once generated, copy it but keep it private.



The key will be used directly in your code. If you are familiar with environment variables, you can also set this up for convenience but it is not required.

Payment Option

To generate images, you will need to set up a payment option. On the same page, click on the Billing menu item on the left then select the Payment Methods option. Dall-E uses a pay-as-you-go billing model based on the size of your image. Image output resolution options are 1024x1024, 512x512, and 256x256 and the respective prices are $0.02, $0.018, and $0.016 per image generated. Not much but this can add up depending on how frequently you use the APIs. It is also another reason to keep your API key secret.

Get Coding

Open up your favorite development environment and create a new Python script. The code you need is fairly simple: import libraries, set your key, define words for your image, and call the create function with your parameters.

```
#pip install openai - use if libarires are not installed

#import libraries
import openai

#set your secret API key
openai.api_key = '[redacted]'

#list the words that will be used to create you image
words = 'High detail banner image for artificial intelligence,\
         machine leanring, and analytics in dark blue'

#call the API using parameters
response = openai.Image.create(prompt=words,
                               n=1,
                               size='1024x1024',
                               response_format='url')

#return the URL of the created image
print(response['data'][0]['url'])
```

For your words, use a short description of your desired banner image. The description should be concise and specific, using simple language. When calling create(), you will want to specify the following parameters:

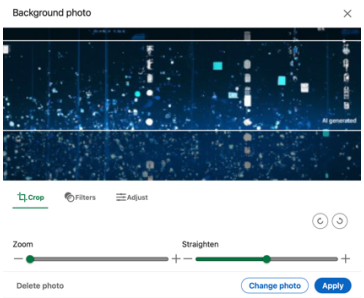
- *prompt* – includes the descriptive words
- *n* – passes the number of images you want to generate
- *size* – indicates the image size, either '1024x1024', '512x512', or '256x256'
- *response_format* – how the image will be returned, either 'url' or 'b64_json'

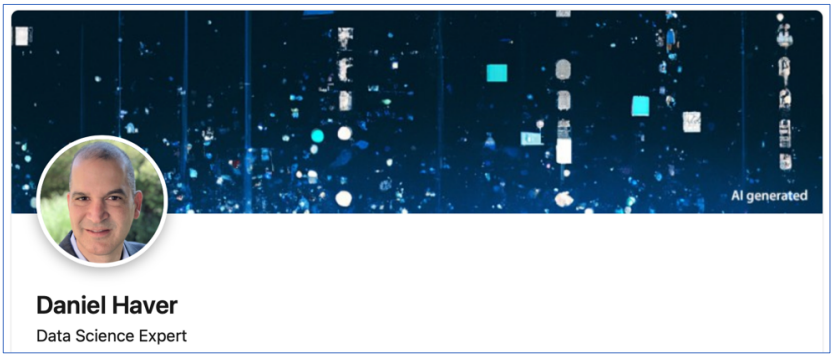
Using ‘url’ as the response format will generate a JSON response with the image URL listed in the data key. Printing this value will display the URL that will take you to the image. For my descriptive words, I ended up generating the following three images.

You may need to go through a few iterations of generating images to get one that you like. I used the one on the right for my background.

LinkedIn Background

Once you have a preferred image, go to your LinkedIn profile, and click on the pencil icon by your background image. LinkedIn uses an image size of 1584x396 pixels so you will need to select the portion of your image you want to display. There are also options for filters and adjustments when finalizing your image. Once it looks good, click on the button to Apply. Your new AI generated background image will be on display for everyone to see. In my case, I also used a local photo editing application to add the words “AI generated” before uploading it to LinkedIn.





Conclusion

That's it! By using DALL-E to create banner images for LinkedIn, you can easily showcase your professional skills and personal brand in a way that stands out from the crowd. With its AI capabilities, DALL-E can help you create images that are unique and tailored to your specific style. All of this with just a few lines of code. Thanks for taking the time to read this article. If you have any questions, feel free to add a comment below.