



The Right Vibe: The Role of Community in the Age of AI



Jessica Garson

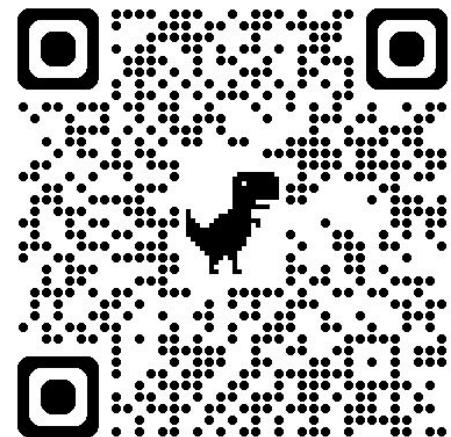
Senior Developer Advocate

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**Code and resources can be found
on my GitHub**

[github.com/JessicaGarson/PyOhio-
Keynote](https://github.com/JessicaGarson/PyOhio-Keynote)



This is going to be a vibe coded adventure using so if you see something that looks off say something !





**Let's start coding
something with
Windsurf**

Let's make a simple Flask app



The prompt we'll use is as follows:

Can you create a straightforward Flask app that displays 'Hello PyOhio'? I'd like this to have a modern look.



**What could be
better?**



OMG!
Something
happened



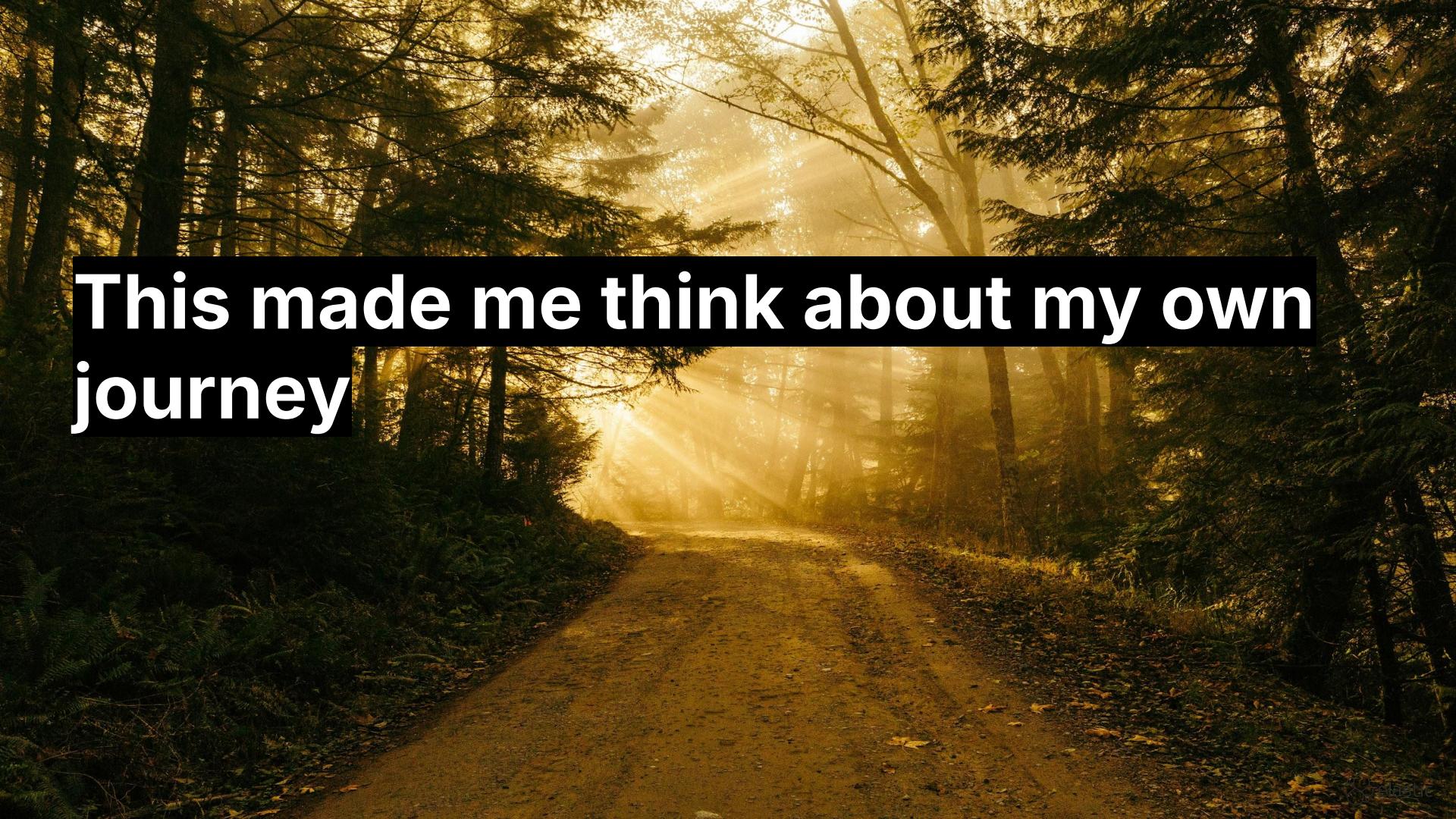
**What about a
more complex
application**

The prompt we'll use is as follows:

Can you expand this application to use vector search with Elasticsearch. I have already set environment variables in my terminal for
ELASTICSEARCH_HOST and
ELASTICSEARCH_API_KEY?



Are we programming?

A photograph of a forest path at sunrise or sunset. Sunbeams filter through tall evergreen trees, casting bright rays of light onto a dirt path that leads into the distance. The overall atmosphere is peaceful and contemplative.

**This made me think about my own
journey**

I thought I had plans
from April 8th - 12th,
2015



HEAR ME
CODE

HACK
AND
TELL



WASHINGTON, DC



PyCon 2015
Montreal • April 8-16

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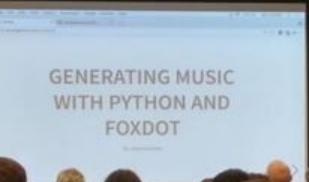


**What does it mean
to build community?**



jessgarson
Columbus, Ohio

...



102 Q 7



Liked by alisonjk and others

jessgarson Not too long ago I used to fear public speaking and the rare times I had to do it things didn't so well. I kept on doing it and now I'm pretty good at it. Here's to turning the things that scare you into strengths.

robbiethompson Right on Jess! 🍕🍕🍕

"Life begins at the end of your comfort zone." -
Neale Donald Walsch

uncompiled ❤️⚽️❤️⚽️❤️

July 31, 2018

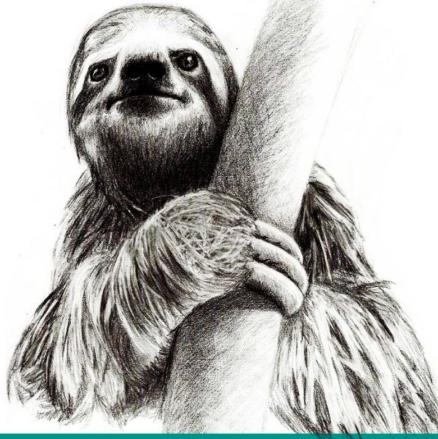
Space to be the most authentic version of myself

What makes this community so special?



What it was like to learn how to code in the 2010s

Cutting corners to meet arbitrary management deadlines



Essential

Copying and Pasting
from Stack Overflow

O'REILLY®

The Practical Developer
@ThePracticalDev

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TEAMS



drop.duplicates() altering data?

Asked 3 years, 2 months ago Modified 3 years, 2 months ago Viewed 432 times



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I've a df that come from a scrap and return a lot of unnecessary data, but when i use drop.duplicate, some of columns are presenting altered values.



That my original df:



Date	Sex	Name
01-02-2022	F	A
09-02-2022	F	A
10-02-2022	M	B
27-02-2022	M	B



when i use `df.drop_duplicates('Name', keep = 'first')` i receive back

Date	Sex	Name
01-02-2022	F	A
01-02-2022	F	B

Why Can't Programmers... Program?



Jeff Atwood

26 Feb 2007 — 3 min read — Comments (296 replies)

<https://blog.codinghorror.com/why-cant-programmers-program/>

The FizzBuzz of it all



fizz_buzz.py

```
def fizzbuzz(n=100):
    """FizzBuzz with string concatenation"""
    for i in range(1, n + 1):
        output = ""
        if i % 3 == 0:
            output += "Fizz"
        if i % 5 == 0:
            output += "Buzz"
        print(output or i)
```

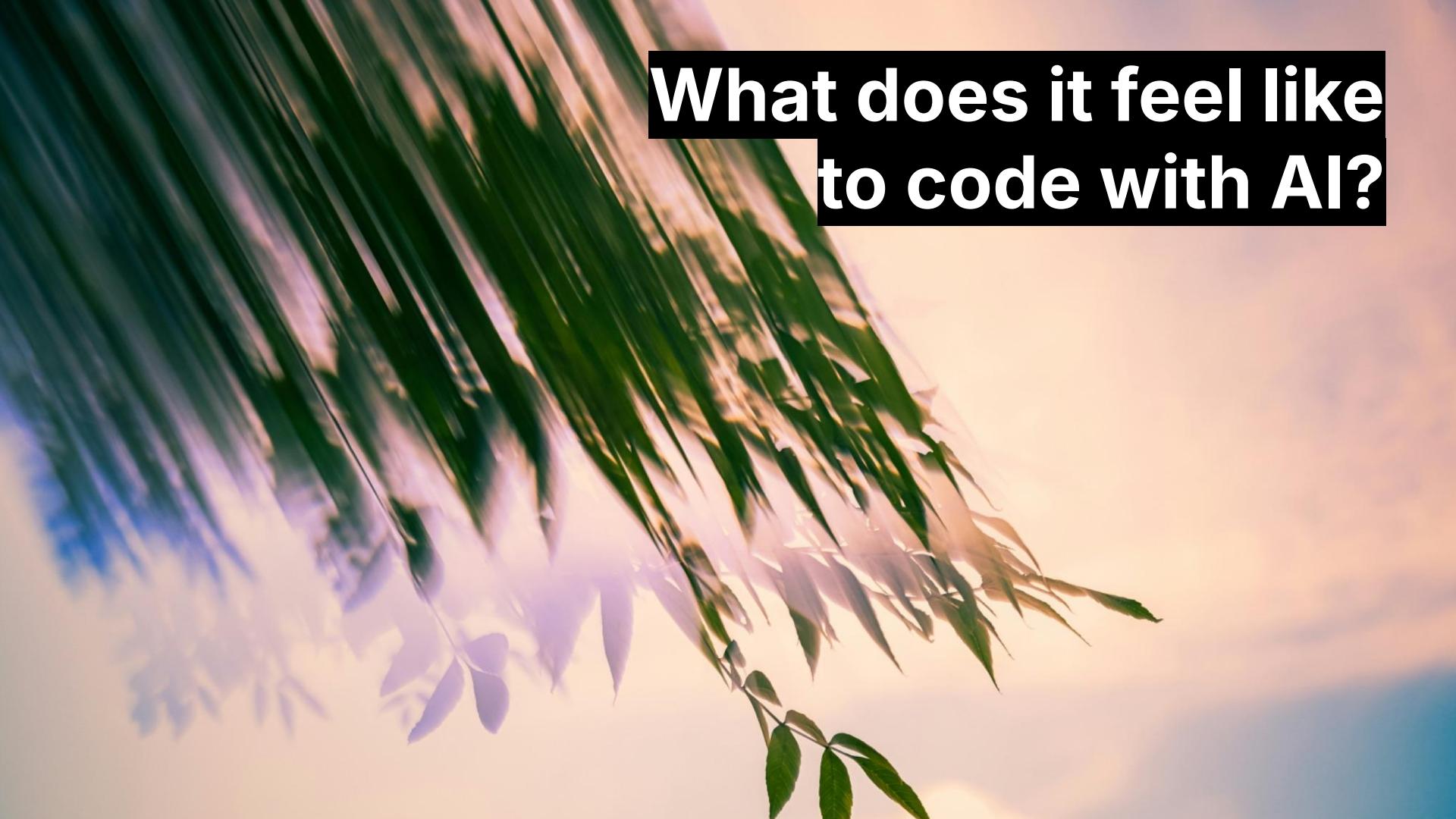




**What if I learned
how to code in
2025?**



**Are we still
programming if
everything is
abstracted away?**

A close-up photograph of several green leaves, possibly from a palm tree or similar plant, silhouetted against a warm, golden-orange sunset sky. The leaves are sharp and detailed in the foreground, while the background is a soft-focus blur of the same warm colors.

What does it feel like to code with AI?

Let's take a look at the code



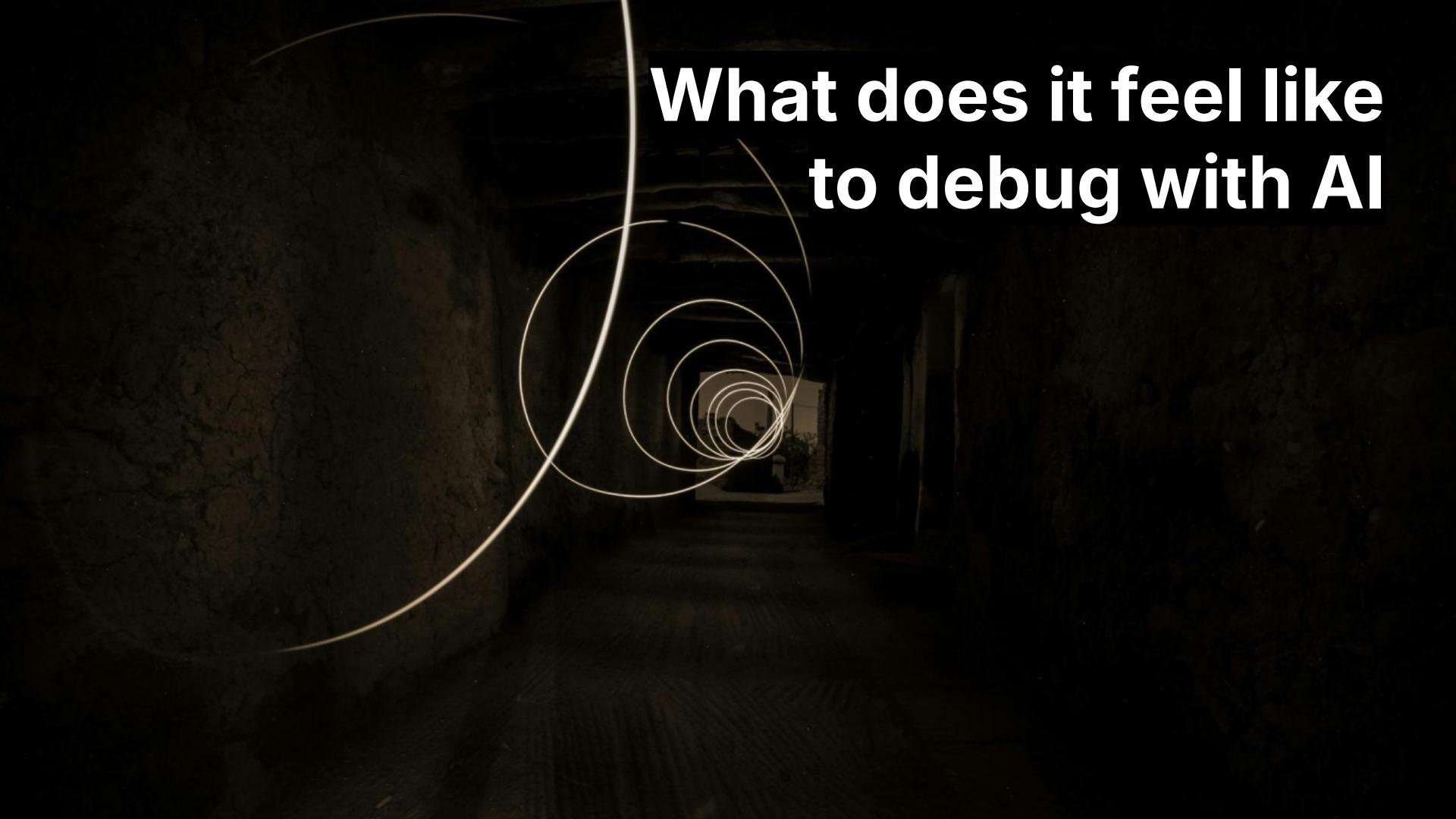
Every test run has had an issue

```
ImportError: cannot import name 'ElasticsearchException' from 'elasticsearch'  
(/Users/jessgarson/.pyenv/versions/3.10.12/lib/python3.10/site-packages/elasticsearch/__init__.py)
```

Traceback:

```
File "/Users/jessgarson/pyohio-keynote/app.py", line 5, in <module>  
    from elasticsearch import ElasticsearchException
```

[Copy](#) [Ask Google](#) [Ask ChatGPT](#)



What does it feel like to debug with AI

Messica Arson is a Brooklyn-based artist known for her computational noise music, often described as "gnarly cut-up sounds". She creates this music by using live coding and live sampling, incorporating sampled screams to add a raw and powerful element to her sound. Arson also works as an electrical engineer and focuses on creating interfaces that offer new ways to manipulate sound beyond conventional electronic music tools, according to her artist statement [at Harvestworks Digital Media Arts Center](#).



Her music is characterized by a blend of live-coded danceable elements and live-sampled screams, creating a unique and electrifying live performance experience. She has performed at various venues and events, including algoraves and conferences. Arson is also involved in collaborative projects, such as one with Eloy Fernández Porta, where they perform spoken word sessions with code and writing, and another with White Pèrill called Noi\$.

In addition to her musical pursuits, Arson has also shared details about past projects, including composing a score for a film starring James Franco. She recently mentioned working on a new album with Gdeblock and expressed excitement about sharing new material with her audience [on Instagram](#).

Learning from AI



notion.py

```
def create_notion_page():
    try:
        notion.blocks.children.append(
            block_id=page["id"],
            children=blocks
        )
        print(f"✓ Created Notion page: {title}")
        print(f"🔗 URL: {page.get('url')}")
        todo_count = sum(1 for block in blocks if block["type"] == "to_do")
        checked_count = sum(1 for block in blocks if block["type"] == "to_do" and
block["to_do"]["checked"])
        print(f"📝 To-do items: {todo_count} ({checked_count} completed)")
        return page

    except Exception as e:
        print(f"✗ Error: {str(e)}")
        return None
```

Broken code isn't always bad





```
(  
b = Buffer.read(s, "/Users/jessgarson/scream2.wav");  
  
SynthDef("playbuf", { arg out=0, bufnum=0, rate=1, trigger=1, startPos=0, loop=1;  
    Out.ar(out,  
        Pan2.ar(PlayBuf.ar(1,bufnum, BufRateScale.kr(bufnum)*rate, trigger,  
        BufFrames.ir(bufnum)*startPos, loop),0.0)  
    )  
}).add;  
)  
  
Synth(\playbuf, [\out, 0, \bufnum, b.bufnum]);  
  
Synth(\playbuf, [\out, 0, \bufnum, b.bufnum, \rate, 200]);  
  
Synth(\playbuf, [\out, 0, \bufnum, b.bufnum, \rate, 2000]);  
  
SynthDef(\sogloso, {  
    var sino = SinOscFB.ar(8, 6);  
    var sin = sino * 2;  
    Out.ar(0, sin ! 2);  
}).add;  
  
m = Synth(\sogloso);
```

Bugs aren't always bad



My favorite talk on this subject



<https://www.youtube.com/watch?v=HuuYwUxM-ZY>



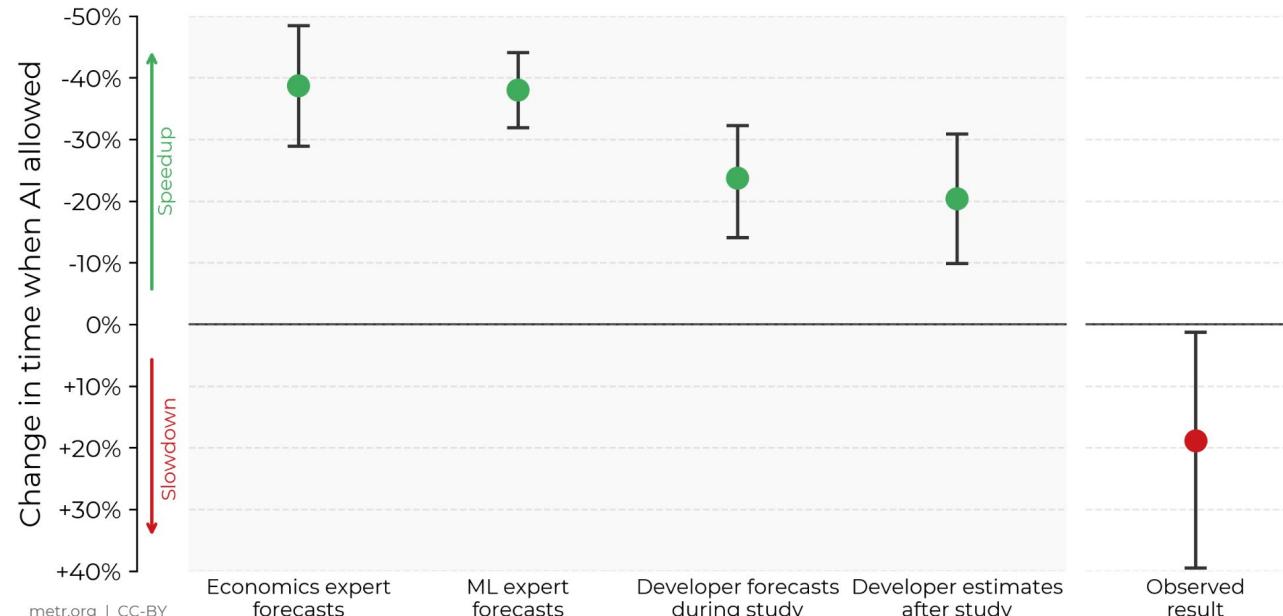
I don't have the time to build
everything I want to build

Let's talk about productivity

Against Expert Forecasts and Developer Self-Reports, Early-2025
AI Slows Down Experienced Open-Source Developers



In this RCT, 16 developers with moderate AI experience complete 246 tasks in large and complex projects on which they have an average of 5 years of prior experience.



A person is seen from behind, working at a computer keyboard. The background is a vibrant, abstract digital visualization consisting of numerous small, colored dots forming a complex, flowing pattern. A large black rectangular box covers the upper left portion of the image, containing white text.

For many of us coding is a creative process

Publication

Your Brain on ChatGPT: Accumulation of Cognitive Debt when Using an AI Assistant for Essay Writing Task

<https://www.media.mit.edu/publications/your-brain-on-chatgpt/>





Security considerations

OpenAI CEO Sam Altman warns users not to trust ChatGPT agent with sensitive or personal data



<https://the-decoder.com/openai-ceo-sam-altman-warns-users-not-to-trust-chatgpt-agent-with-sensitive-or-personal-data/>

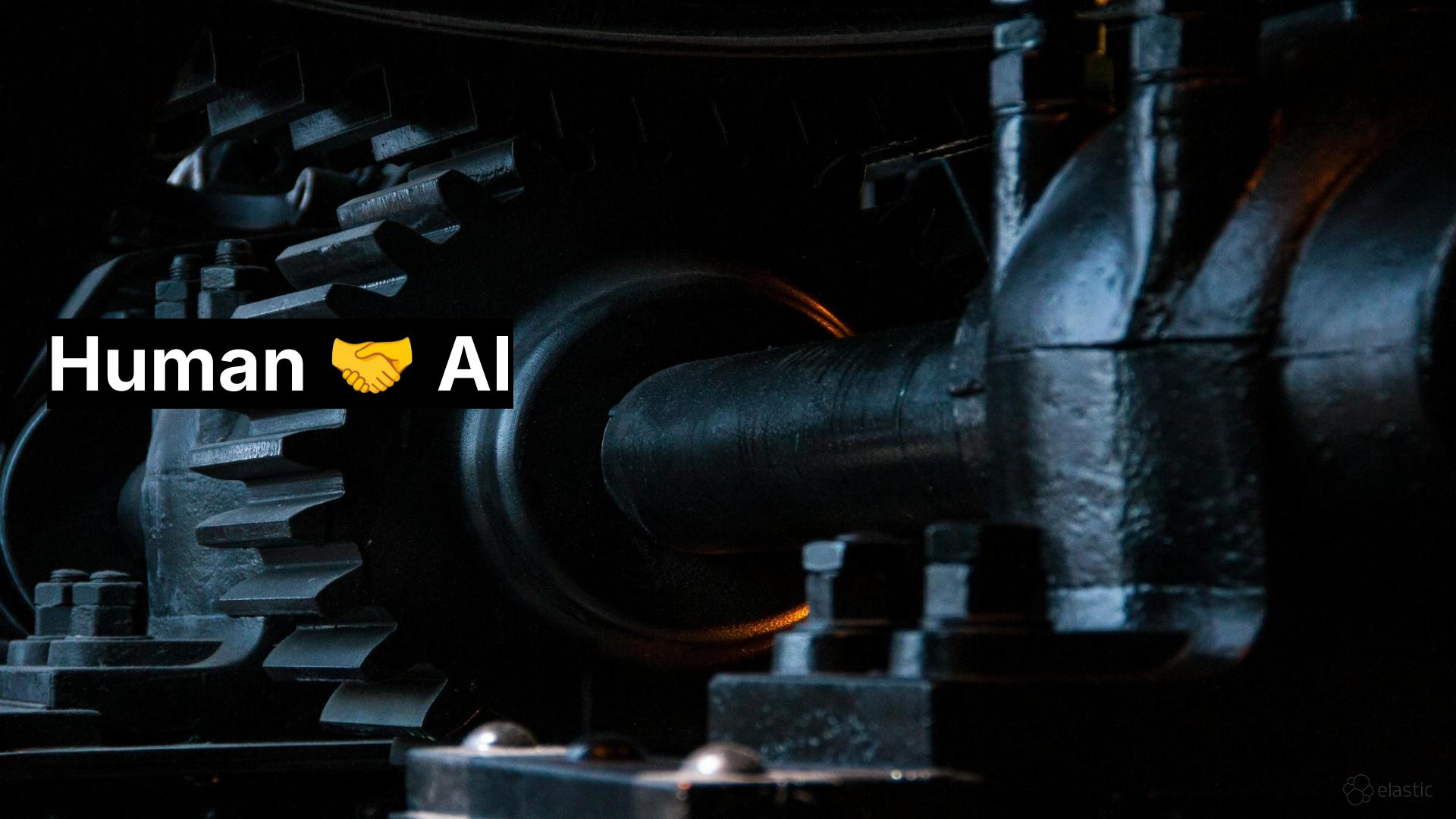
The image shows the interior of a private jet cabin. The seats are made of light-colored leather with a diamond-quilted pattern on the backrests. There are three large, oval-shaped windows on the right side of the cabin, providing a view of the sky and clouds outside. The cabin has a modern design with light-colored walls and ceiling. In the background, the aircraft's interior panels and some equipment are visible.

The impact of lots of
tokens

Let's be real

Share your experiments



A dark, moody photograph of industrial machinery. In the foreground, a large, dark metal gear is visible on the left, with several smaller bolts and nuts scattered around it. To the right, a thick, dark pipe runs diagonally across the frame, with some orange glow reflecting off its surface. The background is dark and out of focus, suggesting a complex mechanical system.

Human 🤝 AI

A wide-angle photograph of an airport tarmac at sunset. In the foreground, a white and blue jetBlue airplane is parked at a gate labeled "C28". The sky is filled with dramatic, colorful clouds. In the background, another jetBlue plane is visible on the tarmac. The overall atmosphere is calm and professional.

Let's check in with our code

A woman with long brown hair, wearing a dark jacket, is shown in profile, blowing a stream of glowing, colorful confetti (yellow, orange, red, purple) from her cupped hands. The background is dark with warm, bokeh light effects.

This feels like casting magic spells

A photograph of a group of people sitting around a wooden table in a rustic, dimly lit setting. One person in the foreground is looking towards a screen or window that displays a landscape scene. The overall atmosphere is cozy and focused.

Natural language programming isn't new

HyperTalk - 1987



HyperTalk

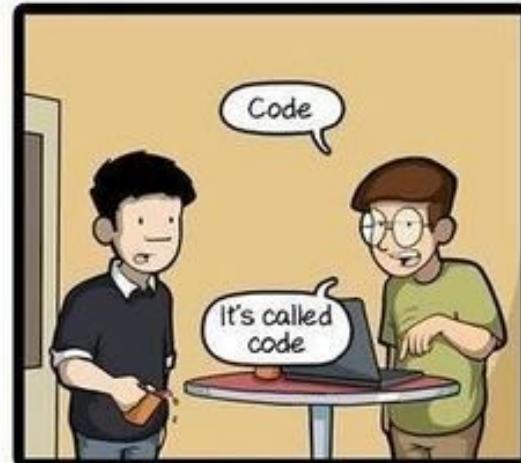
```
on mouseDown
    answer file "Please select a text file to open."
    if it is empty then exit mouseDown
    put it into filePath
    if there is a file filePath then
        open file filePath
        read from file filePath until return
        put it into cd fld "some field"
        close file filePath
        set the textStyle of character 1 to 10 of card field "some field" to bold
    end if
end mouseDown
```

AppleScript - 1993



```
AppleScript

tell application "Microsoft Word"
    quit
end tell
```



**Lots of new developers are
entering the industry using vibe
coding tools**



Vibe coding is a solo activity

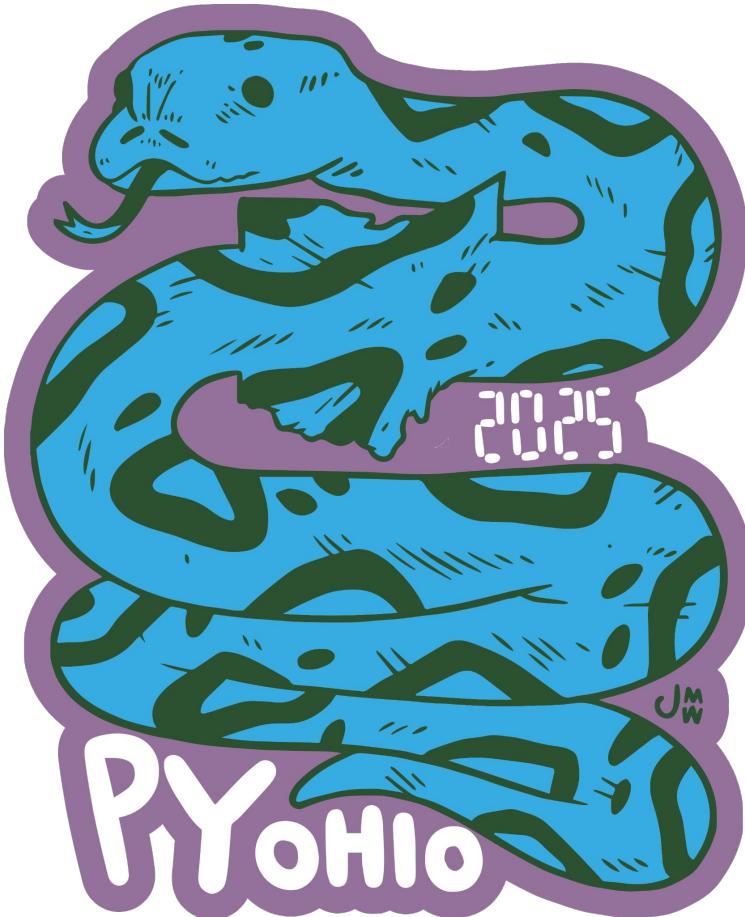


Is being able to get to where you are going always better?

The bugs are going to get very odd



**Spaces like this
one are more
important than
ever before**



**Code and resources can be found
on my GitHub**
[github.com/JessicaGarson/PyOhio-
Keynote](https://github.com/JessicaGarson/PyOhio-Keynote)



Thank you!