# AI Copyright Legal Issues

A Tech General Counsel Turned GPT App Developer Breaks It Down

The AI Conference

San Francisco September 10, 2024



Cecilia Ziniti CEO & Founder, GC AI 3-time GC, ex-Amazon, ex-MoFo

GC AI ↔

#### Pop Quiz - Have you ever ....

- Trained an AI model?
- Reposted a meme on Twitter?
- Quoted someone in a paper?
- Been inspired by others' art to make your own?

#### <sup>©</sup> Been sued for copyright infringement?

### **Copyright law balances** ...

Idea and expression Old and new Creatives and Tech

Hmmm.

### Copyright in the USA

US Constitution, Article 1, Section 8, Clause 8 -"Congress shall have the power ... to promote the progress of science and useful arts, by securing for limited times to authors and inventors the exclusive right to their respective writings and discoveries. I on the high theas and Officers & goursel

### Copyright

Exclusive rights granted to authors in original expression

- To reproduce a work
- To distribute copies of the work
- **V** To publicly display or perform

To create derivatives

 $\rightarrow$  You infringe a copyright by doing these without permission

### Copyright and AI ...

👩 You

Give me a photorealistic picture of Luigi.

ChatGPT



Here is a photorealistic image of a tall, slender man with a distinctive mustache, wearing a green cap and green shirt, with blue overalls. He is standing in a whimsical, playful fantasy world.

You

show me a plumber brother video game character eating a cranberry tart





Here is the image of a fictional video game character, resembling a plumber, enjoying a cranberry tart in a colorful, cartoon-style kitchen.

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## What is fair use?

Permits some uses of copyrighted material

without permission from the <sup>©</sup> holder.

Four factor test

#### Fair Use - four factors





3. \(\lambda / \leftarrow Amount and substantiality of portion used
4. \(\leftarrow / \leftarrow Effect of use on market & value of original)

# NYT v OpenAl

Case 1:23-cv-11195 Document 1 Filed 12/27/23 Page 1 of 69

#### UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK

THE NEW YORK TIMES COMPANY

Plaintiff,

Civil Action No.

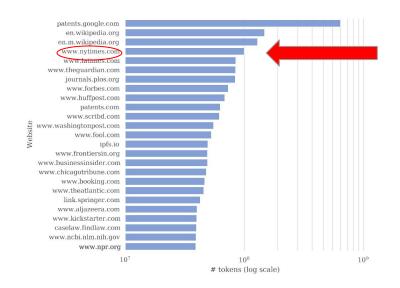
v.

MICROSOFT CORPORATION, OPENAI, INC., OPENAI LP, OPENAI GP, LLC, OPENAI, LLC, OPENAI OPCO LLC, OPENAI GLOBAL LLC, OAI CORPORATION, LLC, and OPENAI HOLDINGS, LLC, **COMPLAINT** 

#### JURY TRIAL DEMANDED

Defendants.

Plaintiff The New York Times Company ("The Times"), by its attorneys Susman Godfrey LLP and Rothwell, Figg, Ernst & Manbeck, P.C., for its complaint against Defendants Microsoft Corporation ("Microsoft") and OpenAI, Inc., OpenAI LP, OpenAI GP LLC, OpenAI LLC, OpenAI OpCo LLC, OpenAI Global LLC, OAI Corporation, LLC, OpenAI Holdings, LLC, (collectively "OpenAI" and, with Microsoft, "Defendants"), alleges as follows: 88. The most highly weighted dataset in GPT-3, Common Crawl, is a "copy of the Internet" made available by an eponymous 501(c)(3) organization run by wealthy venture capital investors.<sup>20</sup> The domain www.nytimes.com is the most highly represented proprietary source (and the third overall behind only Wikipedia and a database of U.S. patent documents) represented in a filtered English-language subset of a 2019 snapshot of Common Crawl, accounting for 100 million tokens (basic units of text):<sup>21</sup>



#### **Output from GPT-4:**

exempted it from regulations, subsidized its operations and promoted its practices, records and interviews showed.

Their actions turned one of the best-known symbols of New York — its yellow cabs — into a financial trap for thousands of immigrant drivers. More than 950 have filed for bankruptcy, according to a Times analysis of court records, and many more struggle to stay afloat.

"Nobody wanted to upset the industry," said David Klahr, who from 2007 to 2016 held several management posts at the Taxi and Limousine Commission, the city agency that oversees medallions. "Nobody wanted to kill the golden goose."

New York City in particular failed the taxi industry, The Times found. Two former mayors, Rudolph W. Giuliani and Michael R. Bloomberg, placed political allies inside the Taxi and Limousine Commission and directed it to sell medallions to help them balance budgets and fund key initiatives.

During that period, much like in the mortgage lending crisis, a group of industry leaders enriched themselves by artificially inflating medallion prices. They encouraged medallion buyers to borrow as much as possible and ensnared them in interest-only loans and other one-sided deals that often required **borrowers** to pay hefty fees, forfeit their legal rights and give up most of their monthly incomes.

When the market collapsed, the government largely abandoned the drivers who bore the brunt of the crisis. Officials did not bail out borrowers or persuade banks to soften loan

#### Actual text from NYTimes:

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New York City in particular failed the taxi industry, The Times found. Two former mayors, Rudolph W. Giuliani and Michael R. Bloomberg, placed political allies inside the Taxi and Limousine Commission and directed it to sell medallions to help them balance budgets and fund priorities. Mayor Bill de Blasio continued the policies.

Under Mr. Bloomberg and Mr. de Blasio, the city made more than \$855 million by selling taxi medallions and collecting taxes on private sales, according to the city.

But during that period, much like in the mortgage lending crisis, a group of industry leaders enriched themselves by artificially inflating medallion prices. They encouraged medallion buyers to borrow as much as possible and ensnared them in interest-only loans and other one-sided deals that often required them to pay hefty fees, forfeit their legal rights and give up most of their monthly incomes.

### **OpenAl has good arguments**



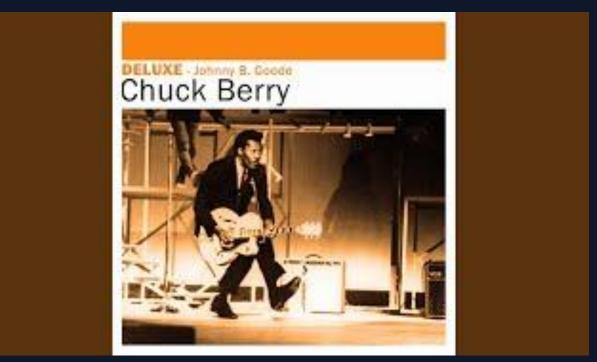
While we disagree with the claims in The New York Times lawsuit, we view it as an opportunity to clarify our business, our intent, and how we build our technology. Our position can be summed up in these four points, which we flesh out below:

- 1. We collaborate with news organizations and are creating new opportunities
- 2. Training is fair use, but we provide an opt-out because it's the right thing to do
- 3. "Regurgitation" is a rare bug that we are working to drive to zero
- 4. The New York Times is not telling the full story



		RICT COURT OF NEW YORK	
JMG RECORDINGS, INC., CAPITO RECORDS, LLC, SONY MUSIC ENTERTAINMENT, ARISTA MUSI RECORDS LLC, ATLANTIC RECO CORPORATION, RHINO ENTERTA COMPANY, WARNER MUSIC INC MUSIC INTERNATIONAL SERVIC JIMITED, WARNER RECORDS IN WARNER RECORDS LLC, and WA RECORDS/SIRE VENTURES LLC,	IC, ARISTA RDING AINMENT ., WARNER 'ES C.,	Case No. 1:24-cv-0 Hon. Alvin K. Helle	
Plaintiffs,			
v.			
UNCHARTED LABS, INC., d/b/a Ud JOHN DOES 1-10,	lio.com, and		
Defendant.			

#### Original Johnny B Goode Versus Suno Version



**Original Version** 

#### Original Johnny B Goode Versus Suno Version



#### SUNO

Home
Create
Library
Explore
Search

Subscribe What's New? 20 Help



#### Deep down in Louisiana close to New Orle

1950s rock and roll, 12 bar blues, rhythm & blues, rockabilly, energetic male vocalist



May 28, 2024 at 5:53 PM v3.5

#### [Verse]

Deep down in Louisiana close to New Orleans Way back up in the woods among the evergreens There stood a log cabin made of earth and wood Where lived a country boy named Johnny B. Goode Who never ever learned to read or write so well But he could play a guitar just like a-ringin' a bell

[Chorus] Go, go Go Johnny, go, go Go Johnny, go, go Go Johnny, go, go Go Johnny, go, go Johnny B. Goode

Suno Version

#### Suno and Udio Cases

copyriginis. Wow

#### Fair Use Defense From the Suno Answer:

Plaintiffs explicitly disavow any contention that any output ever generated by Suno has ever infringed any right that they own. Id. While the Complaint includes a variety of examples of outputs that allegedly resemble certain pre-existing songs, id. ¶¶ 51–67, it goes out of its way to say that the Complaint is not alleging that those outputs constitute actionable copyright infringement, id. ¶ 50 ("Plaintiffs are not . . . alleging that these outputs themselves infringe the Copyrighted Recordings").

So can you use train an Al model? Yes, with <u>some pro tips</u>.

🜐 Open internet generally ok 🤓 Know your data Document what you do Lawyers at the get-go Pass the smell test always If your biz model is sneaky, be ready to defend **Once you launch, story and comms matter** 

### What about Al apps?

#### V Using big foundation models is OK. Risk low as plaintiffs likely to sue the source.



- 👮 Have a takedown process that is FAST
- ••• Test for glaring regurgitation
- <u>Solid terms of use putting onus on your users</u>
- Solid comms when you launch

## Fun Cases (time permitting)

#### W Betamax Case - time shifting: substantial non-infringing use for VCR



### Pretty Woman tune & 1 verse as rap and & raunchy - fair



Campbell v Acuff-Rose (1994)

# *Sony v Connectix* copying to make an emulator is fair use

#### 9th Cir. 2000

Co	Computer software and hardware
Founded	October 1988
Defunct	August 2003
Fate	Sold QuickCam to Logitech, sold Virtual Game Station to Sony,

Connectiv Corneration

Connectix went bust anyway

# Screenshotting video game for emulator's ad - fair

Sony Computer Entertainment America v. Bleem, 214 F.3d 1022 (9th Cir. 2000)



### Coogle copying of Java code for interoperability

From:	Tim Lindholm	Sent:8/6/2010 11:05 AM
To: [ - ]	Andy Rubin; benlee@google.com	
Cc: [ · ]	Dan Grove; Tim Lindholm	
Bcc: [ - ]		
Subject:	Context for discussion: what we're really trying to do	
	y Work Product Confidential	
Hi Andy	у,	
	a short pre-read for the call at 12:30. In Dan's earlier email we didn't giv I reaction that we got.	ve you a lot of context, looking for the
for Andr	ve've actually been asked to do (by Larry and Sergei) is to investigate w roid and Chrome. We've been over a bunch of these, and think they all te a license for Java under the terms we need.	
	aid, Alan Eustace said that the threat of moving off Java hit Safra Katz h tion to put forward our most credible alternative, the goal being to get b	
thinking you think	to us that Obj-C provides the most credible alternative in this context, v g we should make the change. What we're looking for from you is the re nk it's a nonstarter for negotiation purposes, and whether you think there tanding of the option.	asons why you hate this idea, whether
Tim ar	and Dan	

### X Copying doll's exact details so they're like twins



<sup>^^</sup> Doll on the right ruled to infringe the doll on the left - it's not the idea of a farting doll that's copyrighted, it's the expression of it. Here - sitting, blue pants, dark hair, weird smile.

# **X** Colorizing and Reprinting a Prince picture - not transformative (*Warhol*)



# **X** "Rusty Krab" restaurant - after "Krusty Krab" is in many episodes of copyrighted Sponge Bob series



# Appendix

#### Fair Use today - Section 107 of the Copyright Act

- $\gg$  /  $\bowtie$  /  $\bigoplus$  Purpose and character of the use  $\rightarrow$  Key for the AI cases
- > / / I Nature of the copyrighted work
  / / / P Amount and substantiality of portion used
  / / I Effect of use on market & value of original

### $\gg/m/$ Purpose and character of the use $\rightarrow$ Key in NYT v. OAI

### Fair Use Cases

VTR - OK because time-shifting is real use (*Betamax*)
 Pretty Woman tune, verse, but risque and raunchy
 (*Campbell*)

Copying so you can make a console emulator (*Connectix*) Screenshots of original game in emulator's ad (*Bleem*) Antennas for OTA broadcast  $\rightarrow$  internet (Aereo) Google copying Java code for interop (0.4% of whole) **Colorizing photo licensed "for one time use" (Warhol)** "Rusty Krab" restaurant infringes Sponge Bob (Viacom v

### Weighing the Four Factors

- Not a simple sum
- Factors aren't binary
- Relative weight varies depending on circumstances.
- Factor 1 and Factor 4 are generally thought to be the most important.
  - But not always true; other factors can be determinative
    - Harper & Row

#### Blog

#### 🕼 OpenAl



We support journalism, partner with news organizations, and believe The New York Times lawsuit is without merit.

- 1. We collaborate with news organizations and are creating new opportunities
- 2. Training is fair use, but we provide an opt-out because it's the right thing to do
- 3. "Regurgitation" is a rare bug that we are working to drive to zero
- 4. The New York Times is not telling the full story





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#### 1. We collaborate with news organizations and are creating new opportunities

We work hard in our technology design process to support news organizations. We've met with dozens, as well as leading industry organizations like the News/Media Alliance, to explore opportunities, discuss their concerns, and provide solutions. We aim to learn, educate, listen to feedback, and adapt.

Our goals are to support a healthy news ecosystem, be a good partner, and create mutually beneficial opportunities. With this in mind, we have pursued

#### 2. Training is fair use, but we provide an opt-out because it's the right thing to do

Training AI models using publicly available internet materials is fair use, as supported by long-standing and widely accepted precedents. We view this principle as fair to creators, necessary for innovators, and critical for US competitiveness.

The principle that training AI models is permitted as a fair use is supported by a wide range of academics, library associations, civil society groups, startups, leading US companies, creators, authors, and others that recently submitted comments to the US Copyright Office. Other regions and countries, including the European Union, Japan, range of academics, library associations, civil society groups, startups, leading US companies, creators, authors, and others that recently submitted comments to the US Copyright Office. Other regions and countries, including the European Union, Japan, range of academics, library associations, civil society groups, startups, leading US companies, creators, authors, and others that recently submitted comments to the US Copyright Office. Other regions and countries, including the European Union, Japan, Singapore, and Israel also have laws that permit training models on copyrighted content an advantage for AI innovation, advancement, and investment.

That being said, legal right is less important to us than being good citizens. We have led the Al industry in providing a simple opt-out <u>process</u> for publishers (which The New York Times adopted in August 2023) to prevent our tools from accessing their sites.



#### authorsalliance.org 510.480.8302

#### 2705 Webster St. #5805 Berkeley, CA 94705

#### Founding Members

Jasmine Abdel-khalik UMKC School of Law

Alessandro Acquisti Carnegie Mellon University

Prue Adler Association of Research Libraries

Julie Ahrens Stanford Law School, Center for Internet & Society

Ivy Anderson California Digital Library

Ionas Anderson American University Washington College of Law

Patricia Aufderheide American University

A. Michael Froomkin Jack Lerner University of Miami School Karen Levy of Law Cornell University

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Steve Gass

Andy Gass

Paul Geller

Ilana Gershon

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University, Australia

Indiana University

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University of North

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**Jacqueline** Lipton Authography LLC

lessica Litman University of Michigan

Lydia Loren Lewis & Clark Law School

Brian Love Santa Clara University School of Law

Julie Samuels Tech:NYC

Sharon Sandeen Mitchell Hamline School of Law

Joshua Sarnoff DePaul University College of Law

AnnaLee Saxenian UC Berkeley

**Rich Schneider** UC San Francisco

lason Schultz NYU School of Law

Michael Scott Southwestern Law School

Jeffrey Selbin UC Berkelev Law mutually beneficial opportunities. With this in mind, we have pursued partnerships with news organizations to achieve these objectives:

- 1. Deploy our products to benefit and support reporters and editors, by assisting with time-consuming tasks like analyzing voluminous public records and translating stories.
- 2. Teach our AI models about the world by training on additional historical, non-publicly available content.
- 3. Display real-time content with attribution in ChatGPT, providing new ways for news publishers to connect with readers.

Our early partnerships with the <u>Associated Press</u>, <u>Axel Springer</u>, <u>American Journalism</u> <u>Project</u> and <u>NYU</u> offer a glimpse into our approach.

#### 🕼 Open Al

#### 3. "Regurgitation" is a rare bug that we are working to drive to zero

Our models were designed and trained to learn concepts in order to apply them to <u>new problems</u>.

Memorization is a rare failure of the learning process that we are continually making progress on, but it's more common when particular content appears more than once in training data, like if pieces of it appear on lots of different public websites. So we have measures in place to limit inadvertent memorization and prevent regurgitation in model outputs. We also expect our users to act responsibly; intentionally manipulating our models to regurgitate is not an appropriate use of our technology and is against our terms of use.

Just as humans obtain a broad education to learn how to solve new problems, we want our AI models to observe the range of the world's information, including from every language, culture, and industry. Because models learn from the enormous aggregate of human knowledge, any one sector—including news—is a tiny slice of overall training data, and any single data source—including The New York Times—is not significant for the model's intended learning.

#### Submission of Ad Hoc Group of Artists Using Generative Al<sup>1</sup>

We, the undersigned professional artists who use generative AI tools, welcome this opportunity

Heather Timm **Nettrice Gaskins** T. K. Yonge. Grey Owl Audio wondermundo Henry Daubrez dadabots **Jrdsctt** Tim Boucher makeitrad FARRAH CARBONELL Michael Foxington Pat Tremblay F Disa Jordan McRae espinosa Mikki Sharp AD Campbell 0xCrumpet Pixlosopher D O'Donnell Gushousekai195

Niki Selken

Gushousekai195 Niki Selken Tim Newman Johanna Wilder Roberta (Robin) Sullivan **KEZIAI** Vasiawow **MsJoKnows** Nell Fallcard <u>Purz</u> **WEBmadman** Web Horizons Mario Klingemann Nucksen JosephC **Elizabeth Ann West** @AlandDesign on X

ME Malainine Robert Paul AKA MxVoid TheDigitalCov Manu Williams Antoni Albalat Tim Simpson Jr. Celestino Espinoza L. Artful Insanity N1FTey Gushousekai195 Ekaterina Valinakova Souki Mansoor SRodan Amli Brian L. Frye Niccolo Casas Rebel Without Applause 4everKurious Thom Hofnarreth Aiporium Meta is Dope by Josephe Buchanan and Jennifer Ruff neville glover Snowy79 Nalani AtikoAE ALA Siyasense

PJ Way

ANTHONY GALIGO Ai Machina XTincT Carlos28355 dr.mindset Nima Leo oh.x.d SouthernFried Miriam Dunn Fatima @MaqicallyViral Brooke Ganster Tinas\_art\_beat Zen Materialist

#### Fair Use

- Notoriously difficult to predict
- Breakdown of potentially fair uses:
  - Some clearly unfair uses
  - Fewer are clearly fair
  - The majority fall within a vast gray area
- What's the point?
  - Recognize the clear cases
  - Recognize when it makes sense to call a lawyer

#### The Four Fair Use Factors

- (1) the purpose and character of the use, including whether such use is of a commercial nature or is for nonprofit educational purposes;
- (2) the nature of the copyrighted work;
- (3) the amount and substantiality of the portion used in relation to the copyrighted work as a whole; and
- (4) the effect of the use upon the potential market for or value of the copyrighted work.
  - These 4 factors are not exclusive; courts can and do consider other factors -Public interest

- (1) the **purpose and character** of the use, including whether such use is of a commercial nature or is for nonprofit educational purposes;
  - Is the alleged infringer making for-profit or non-profit use?
  - Is the alleged infringer making a transformative use?
    - -A transformative use is one that adds new meaning or purpose to the original work
      - > Parody, Search tools

- (2) the **nature** of the copyrighted work;
  - Was the work published or unpublished?

-Publication favors fair use

• Was the work primarily factual or fictional?

-Spectrum between factual and fictional

-The more creative the work, the less likely the use will be found fair

- (3) the **amount and substantiality** of the portion used in relation to the copyrighted work as a whole;
  - The more the alleged infringer uses, the less likely the use will be fair
    - -In some cases, using the entire work is fair
    - -In others, using a small fraction of a work is unfair, particularly if the portion used is "the heart of the original work"

- (4) the **effect** of the use **upon the potential market** for or value of the copyrighted work.
  - Does the allegedly infringing work serve as a market substitute for the original work or deprive the copyright holder of revenue?
    - If a parody harms sales as a result of its criticism, this cannot weigh against fair use
    - Look not only to current markets, but future potential markets as well

>Problem of circularity

# Scraping

- US law:
  - Web scraping is generally legal if the information is publicly accessible, but it can be restricted by website terms and conditions.

- Three key cases
  - hiQ Labs v. LinkedIn (public data scraping is legal)
  - Facebook v. Power Ventures (cease and desist revokes authorization)
  - Craigslist v. 3Taps (website terms can limit scraping)

# Pro tips for AI developers

- IP strategy
  - Data provenance
  - Keep good records
  - Document your reasoning
  - Does it pass the smell test
  - Hire good lawyers!

• Training models legally: Focus on transparency, obtain necessary permissions, and document your processes to demonstrate compliance.

#### So can you train a model? You can ....

• Know your data

• Legal considerations: Developers must navigate copyright law when training AI models, considering the source and nature of the data used.

• Best practices: Use publicly available data, seek licenses where necessary, and consider fair use implications.