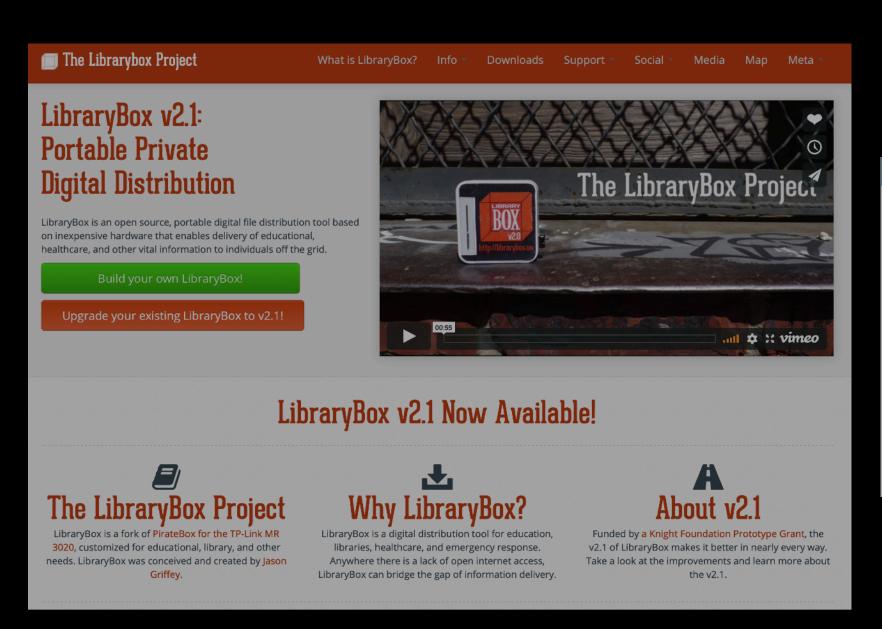
Artificial Intelligence: Impacts and Roles for Libraries

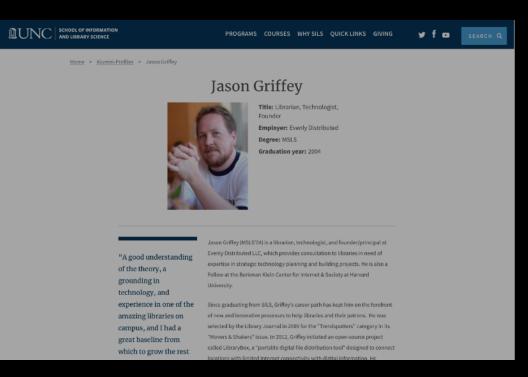
Jason Griffey

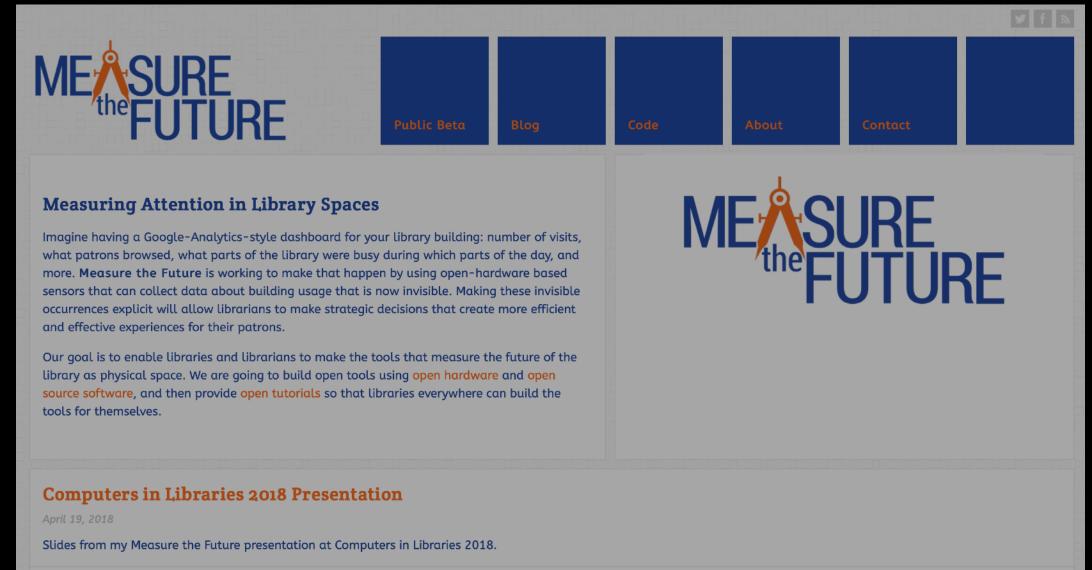
@griffey griffey@niso.org

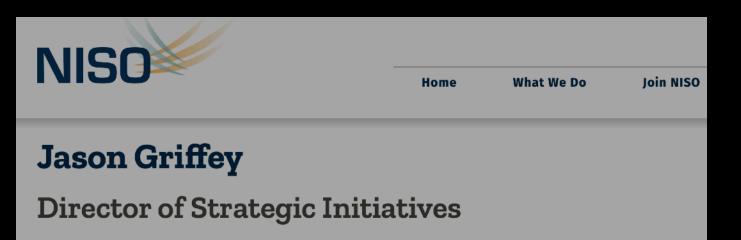


Director of Strategic Initiatives NISO







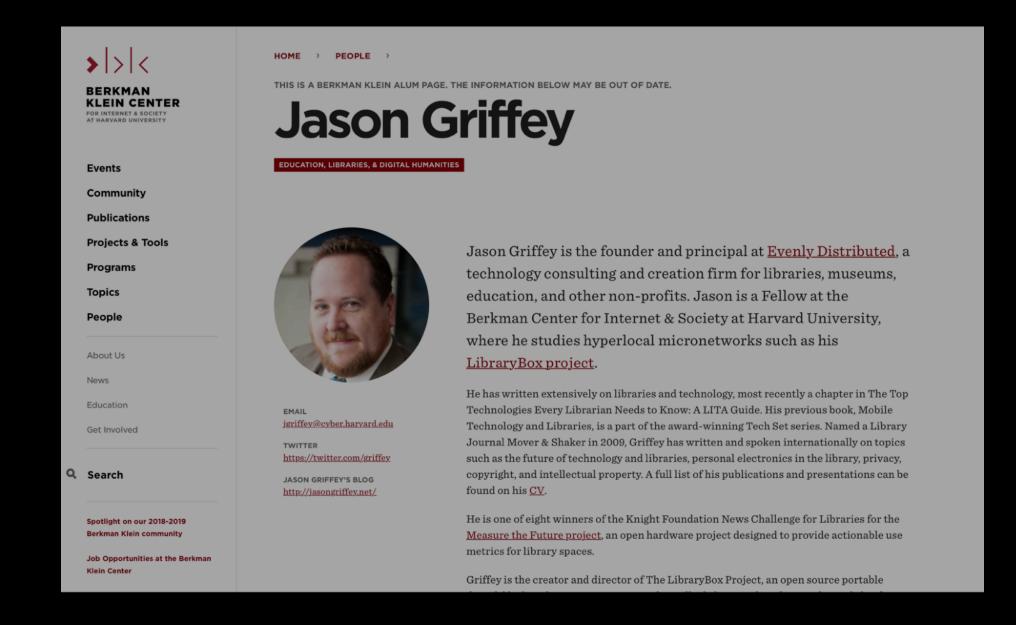


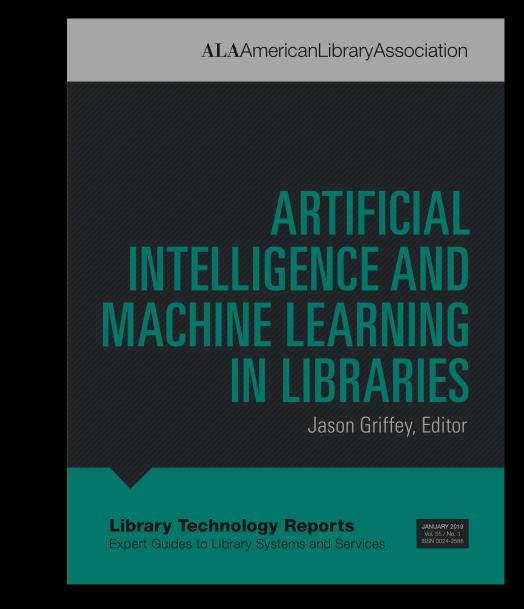


<u>Jason Griffey</u> is the Director of Strategic Initiatives at NISO, where he works to identify new areas of the information ecosystem where standards expertise is useful and needed, as well as leads several ongoing projects such as NISO's participation in the Coalition for Seamless Access. Prior to joining NISO in 2019, Jason ran his own technology consulting company for libraries, has been both an Affiliate at metaLAB and a <u>Fellow and Affiliate at the</u> Berkman Klein Center for Internet & Society at Harvard University, and was an academic librarian in roles ranging from reference and instruction to Head of IT at the University of TN at Chattanooga.

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yfo

Jason Griffey



Title: Librarian, Technologist, Founder

Employer: Evenly Distributed

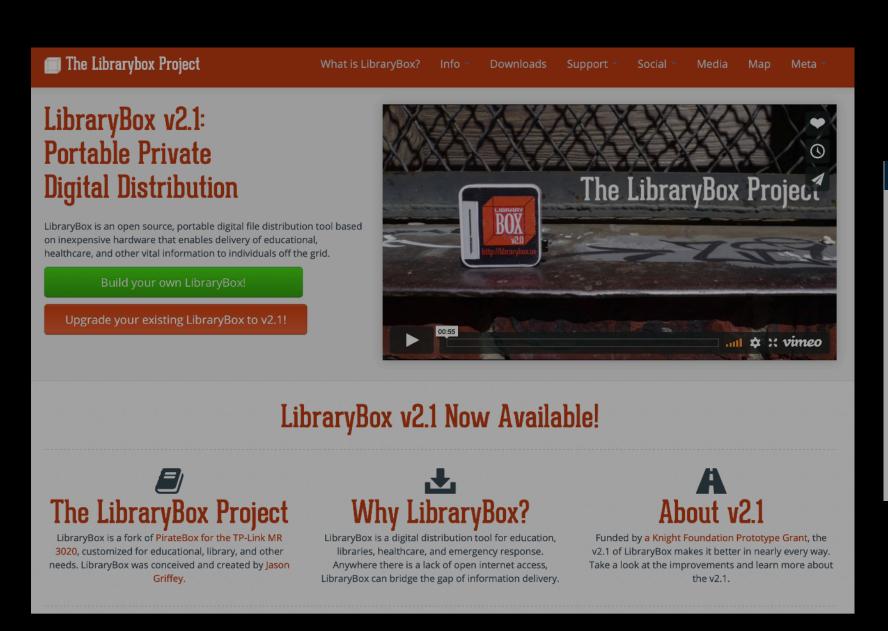
Degree: MSLS

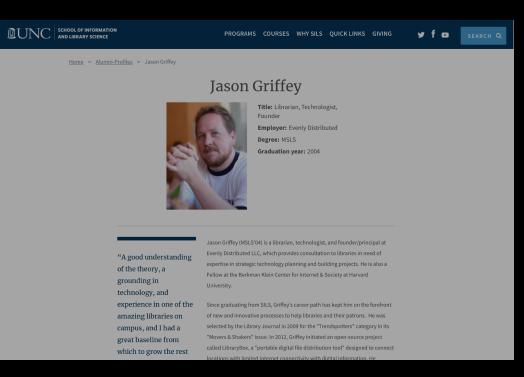
Graduation year: 2004

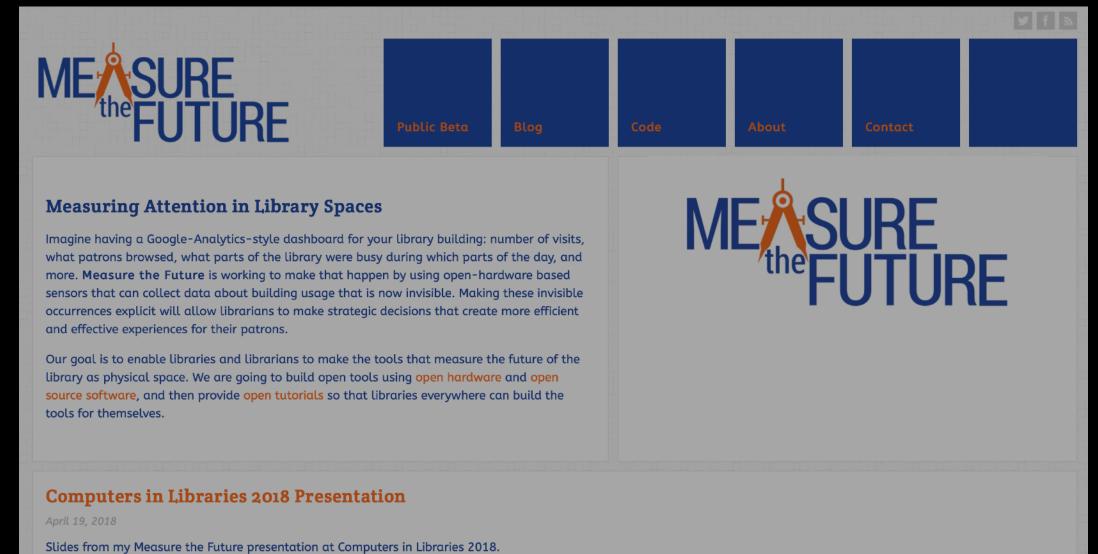
"A good understanding of the theory, a grounding in technology, and experience in one of the amazing libraries on campus, and I had a great baseline from which to grow the rest

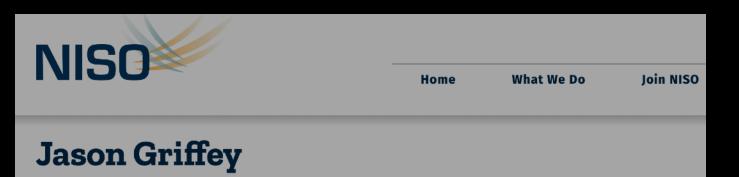
Jason Griffey (MSLS'04) is a librarian, technologist, and founder/principal at Evenly Distributed LLC, which provides consultation to libraries in need of expertise in strategic technology planning and building projects. He is also a Fellow at the Berkman Klein Center for Internet & Society at Harvard University.

Since graduating from SILS, Griffey's career path has kept him on the forefront of new and innovative processes to help libraries and their patrons. He was selected by the Library Journal in 2009 for the "Trendspotters" category in its "Movers & Shakers" issue. In 2012, Griffey initiated an open-source project called LibraryBox, a "portable digital file distribution tool" designed to connect locations with limited Internet connectivity with digital information. He









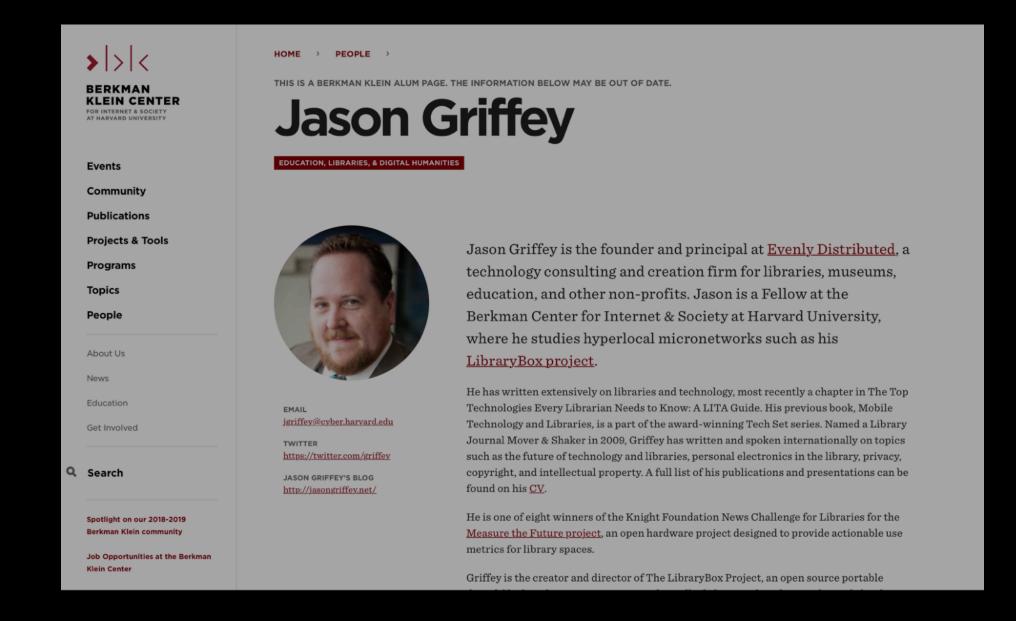
Director of Strategic Initiatives

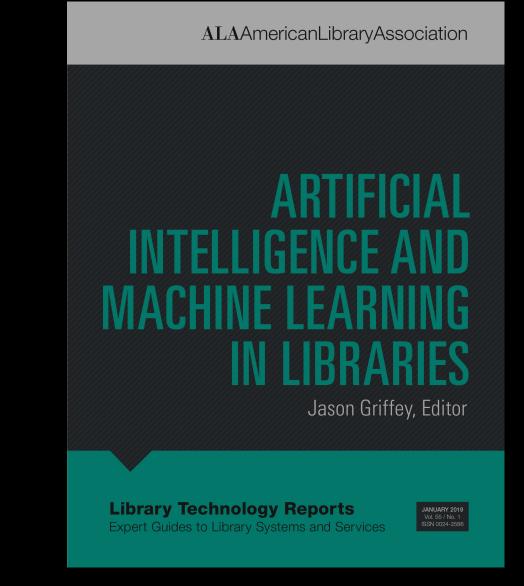


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Jason Griffey

EDUCATION, LIBRARIES, & DIGITAL HUMANITIES



EMAIL jgriffey@cyber.harvard.edu

TWITTER https://twitter.com/griffey

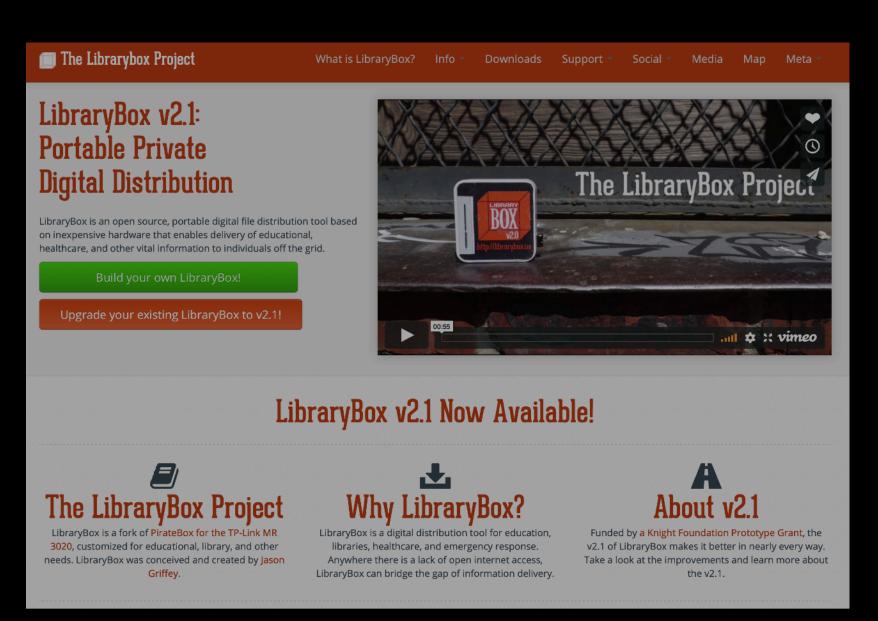
JASON GRIFFEY'S BLOG

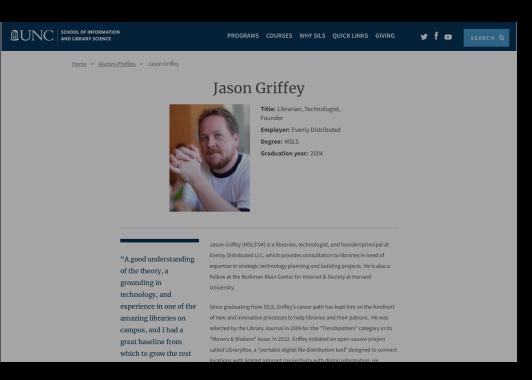
Jason Griffey is the founder and principal at **Evenly Distributed**, a technology consulting and creation firm for libraries, museums, education, and other non-profits. Jason is a Fellow at the Berkman Center for Internet & Society at Harvard University, where he studies hyperlocal micronetworks such as his <u>LibraryBox project</u>.

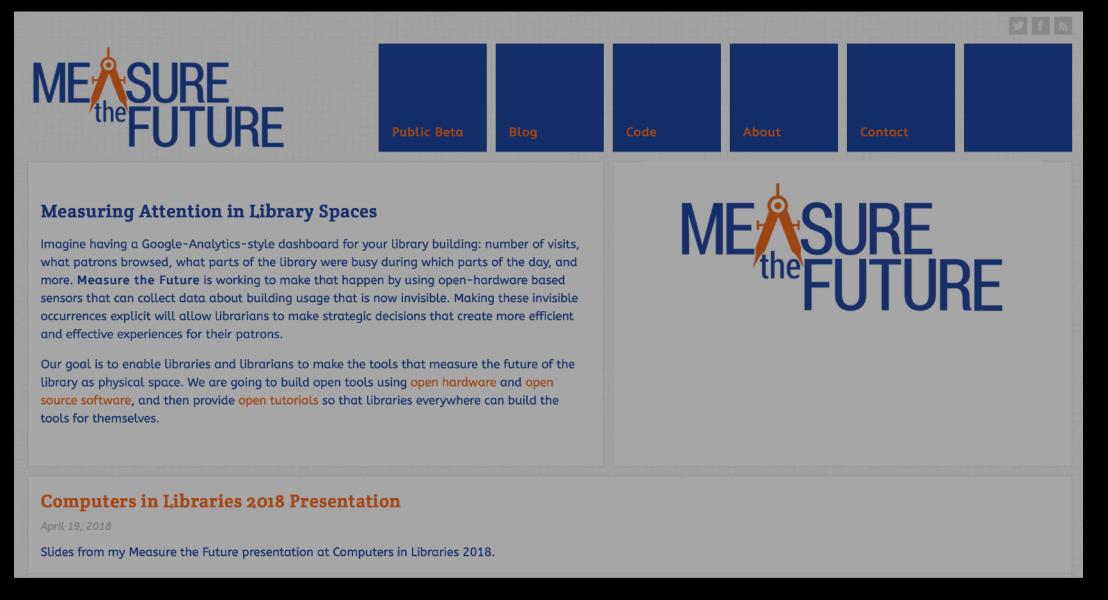
He has written extensively on libraries and technology, most recently a chapter in The Top Technologies Every Librarian Needs to Know: A LITA Guide. His previous book, Mobile Technology and Libraries, is a part of the award-winning Tech Set series. Named a Library Journal Mover & Shaker in 2009, Griffey has written and spoken internationally on topics such as the future of technology and libraries, personal electronics in the library, privacy, copyright, and intellectual property. A full list of his publications and presentations can be found on his <u>CV</u>.

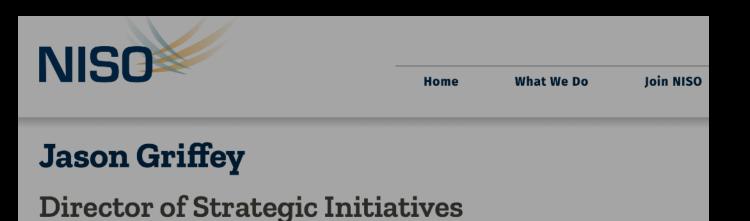
He is one of eight winners of the Knight Foundation News Challenge for Libraries for the Measure the Future project, an open hardware project designed to provide actionable use metrics for library spaces.

Griffey is the creator and director of The LibraryBox Project, an open source portable







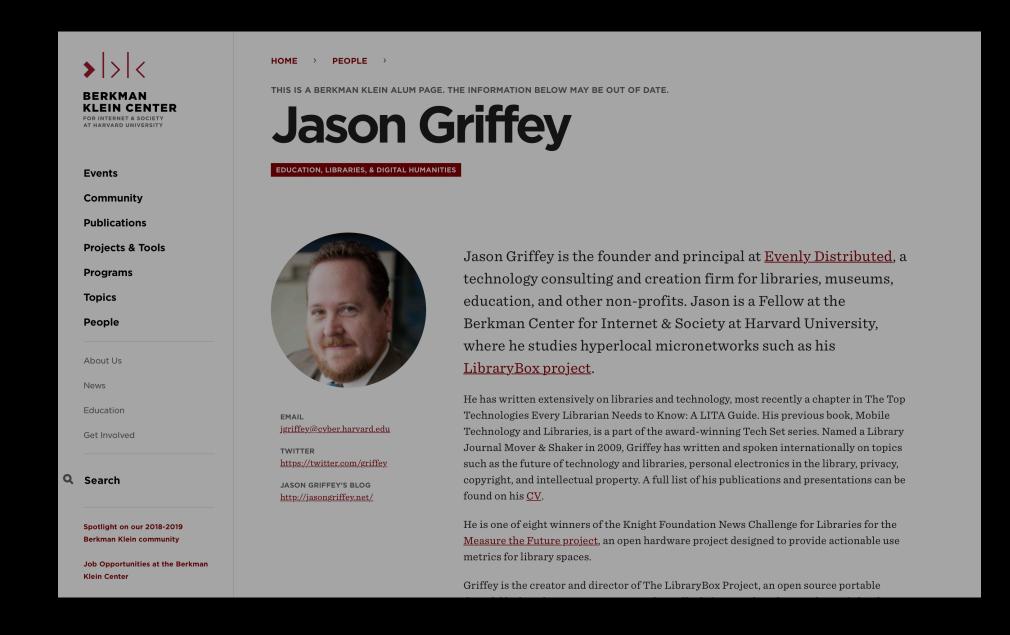


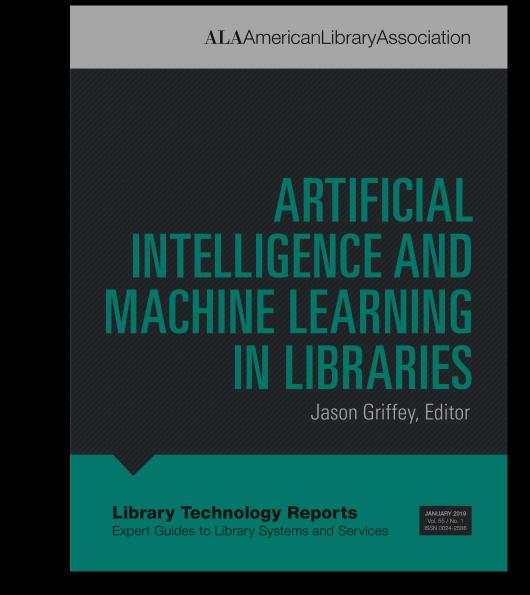


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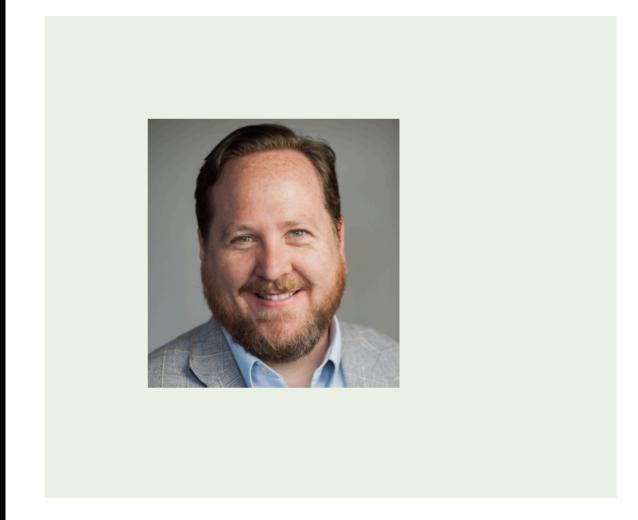






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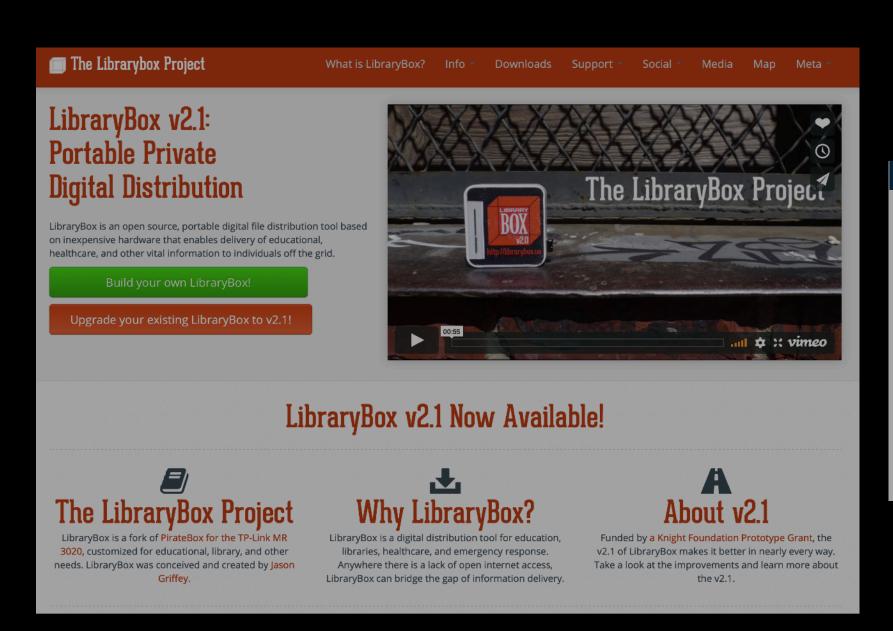
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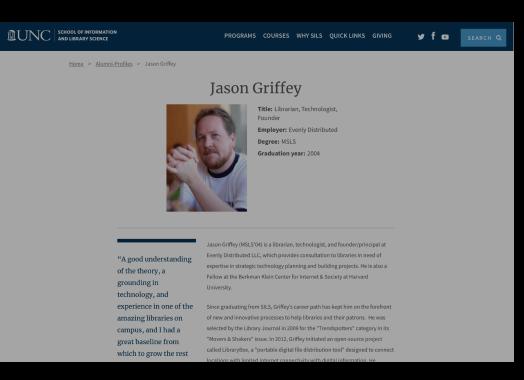


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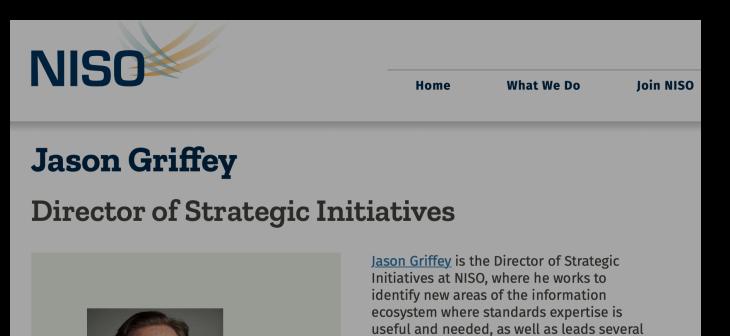
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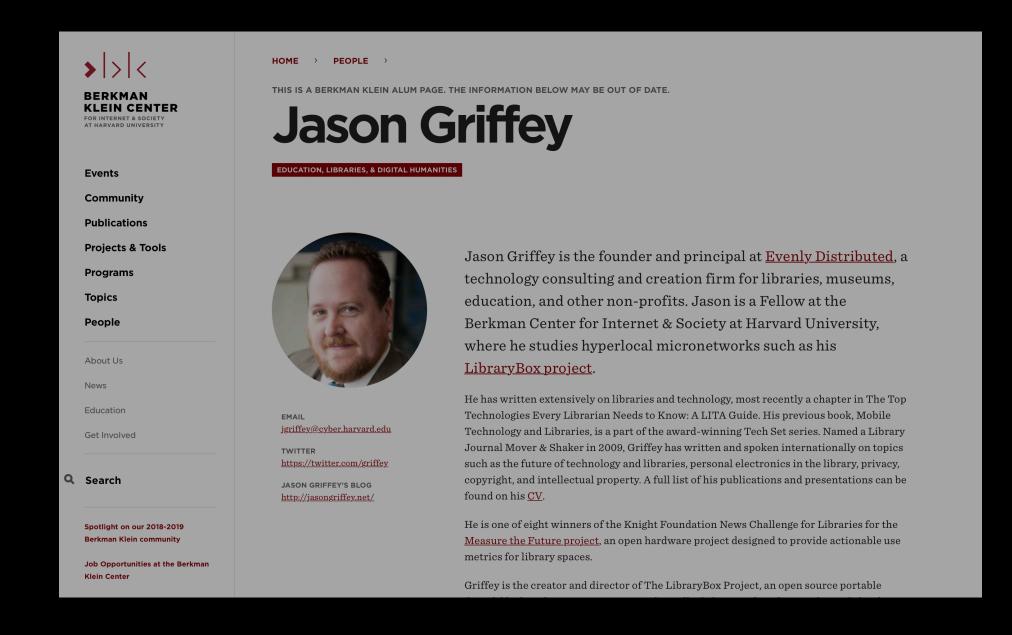


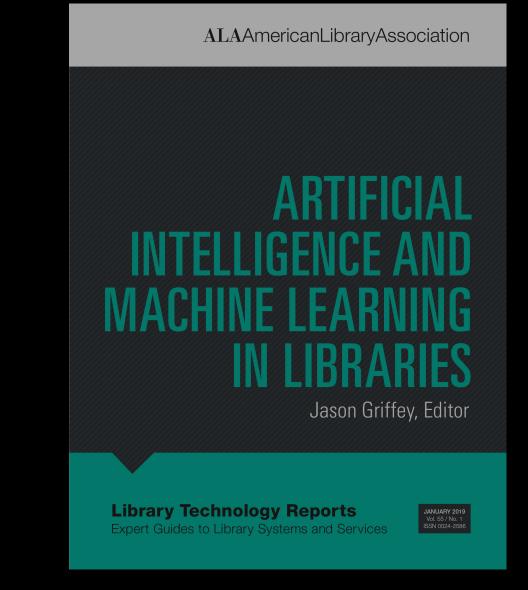


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ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN LIBRARIES

Jason Griffey, Editor

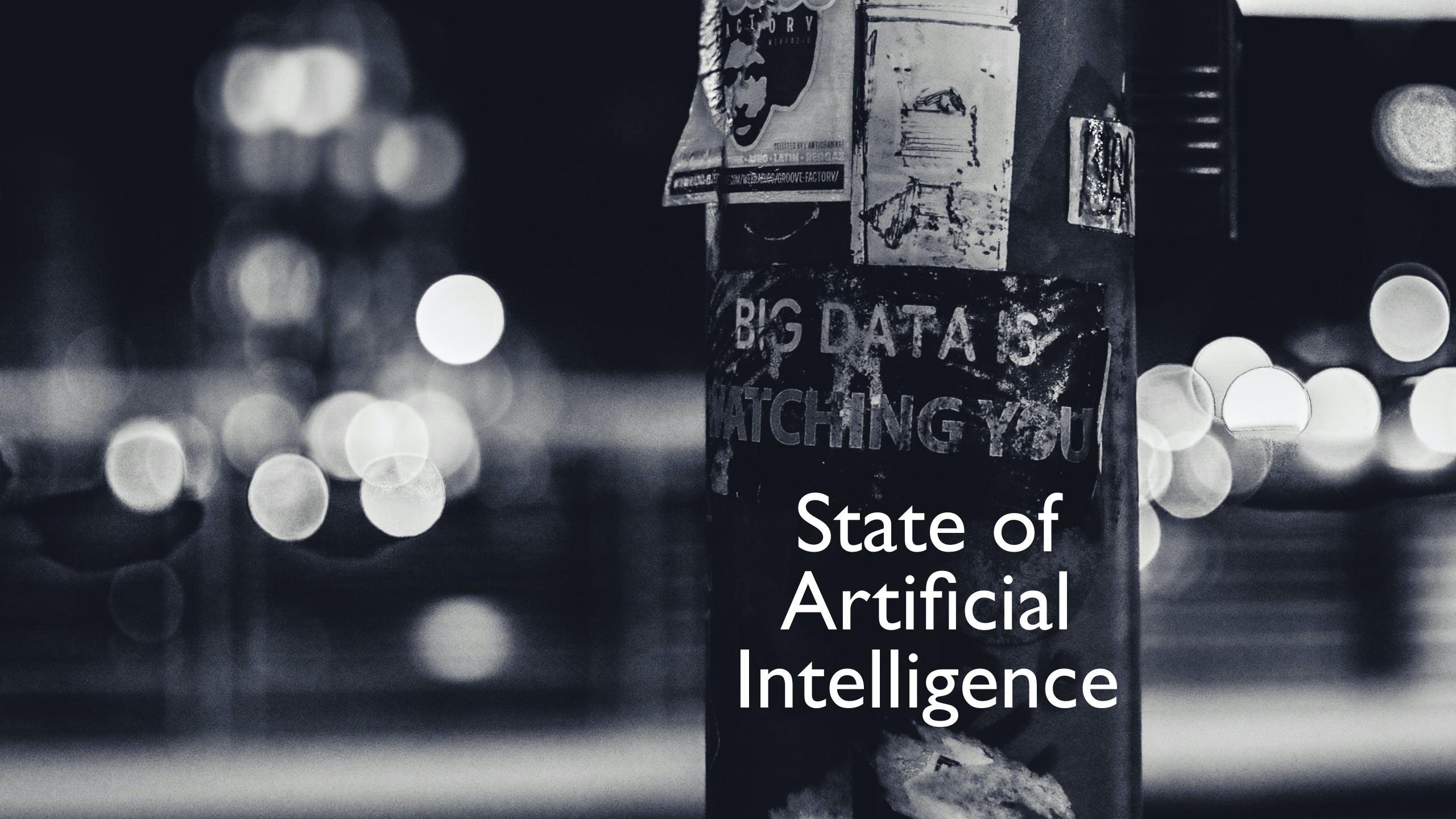
Library Technology Reports

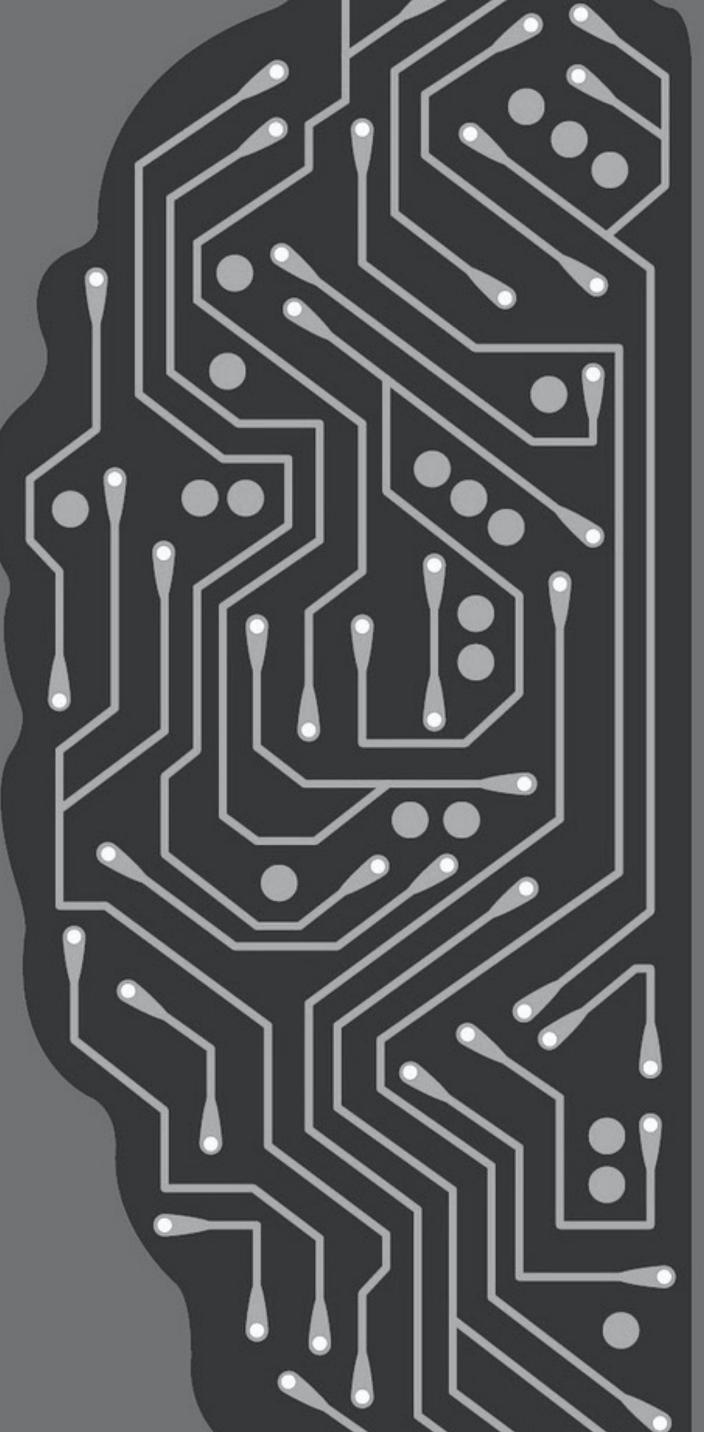
Expert Guides to Library Systems and Services





- · What do I mean when I say "AI"?
- Examples of current AI (good and bad)
- Products & Potential
- Concerns & Conclusions

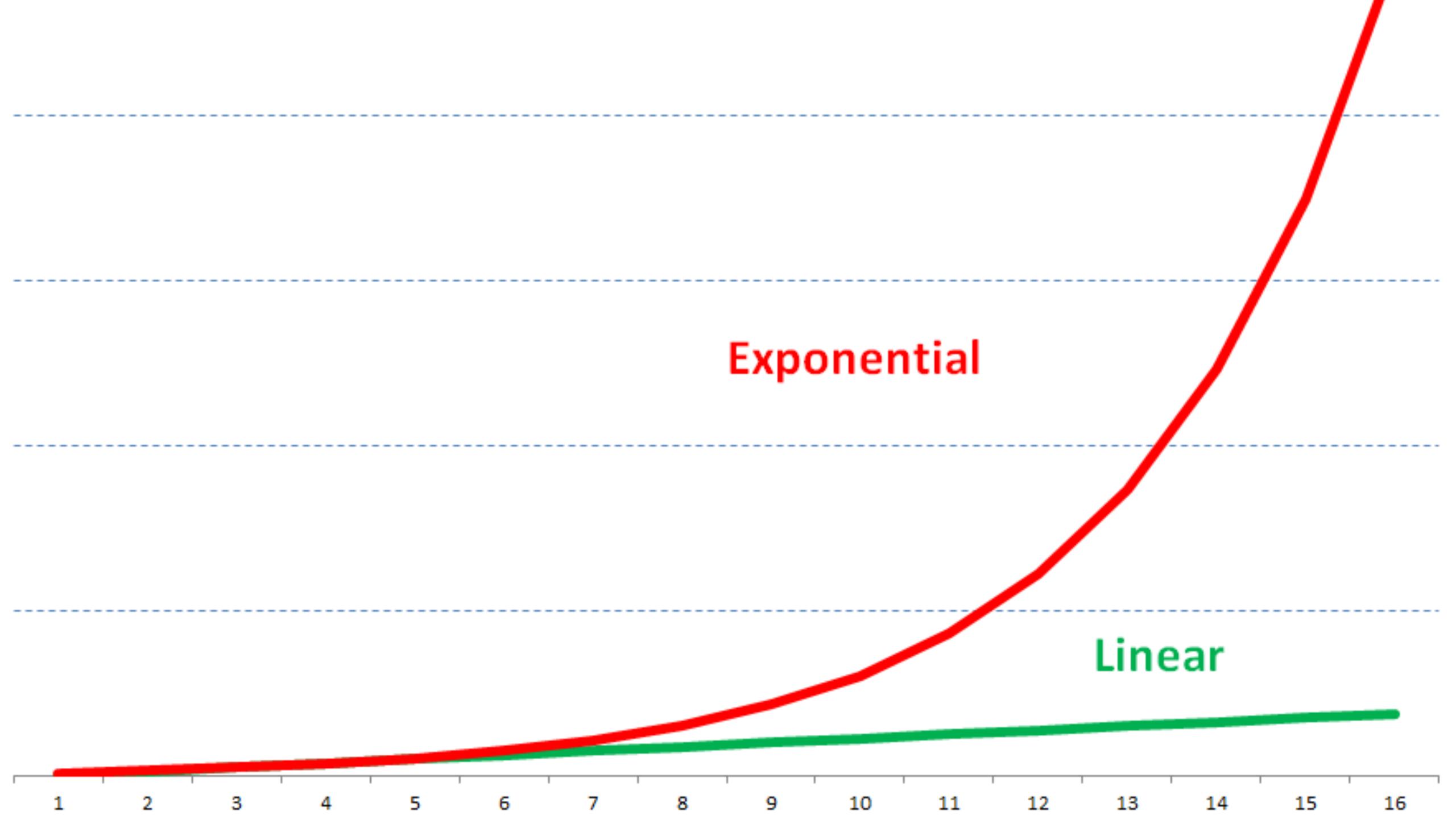




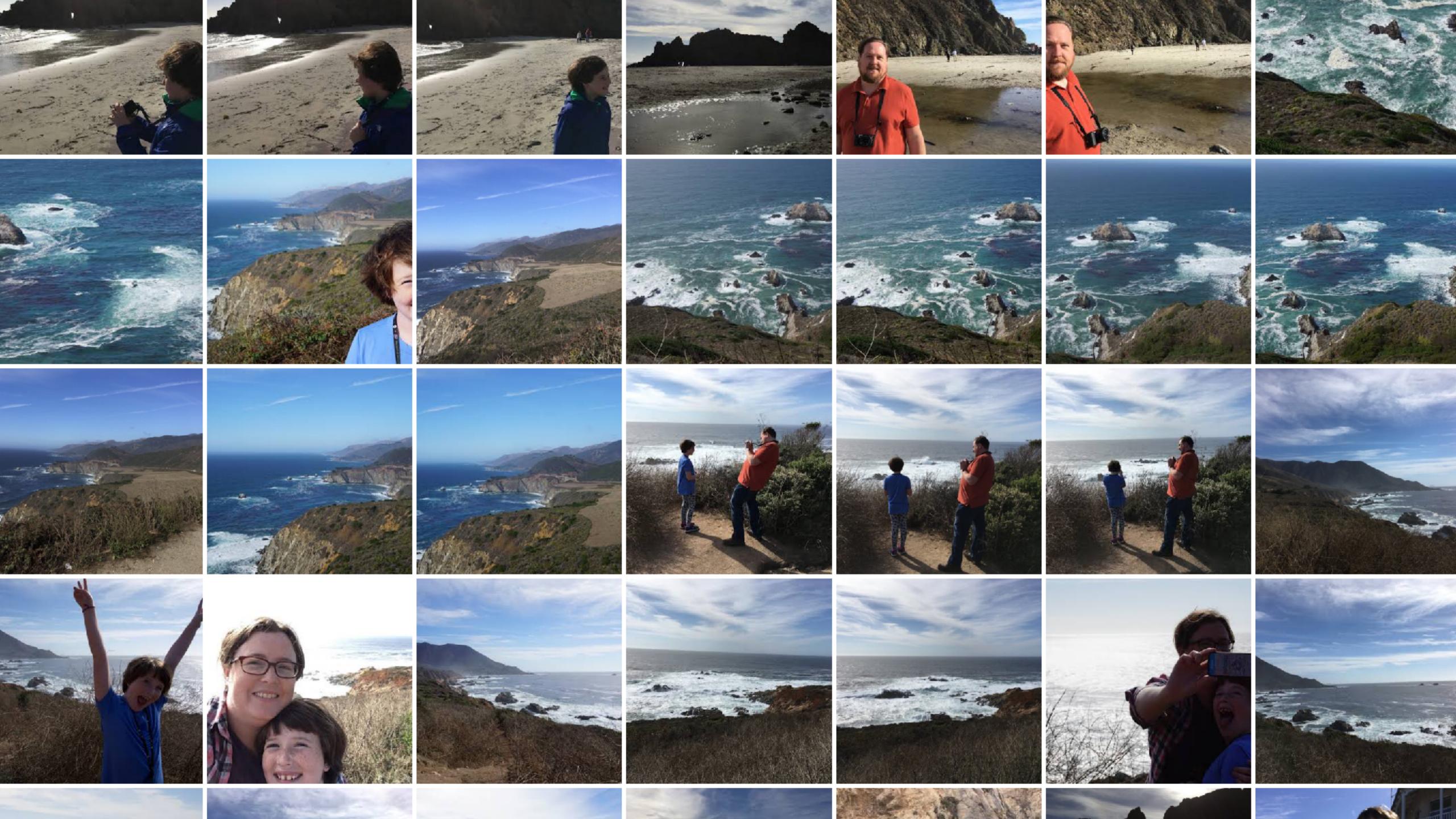


Strong

Weak









"I think that if you work as a radiologist you are like Wile E. Coyote in the cartoon. You're already over the edge of the cliff, but you haven't yet looked down. There's no ground underneath. It's just completely obvious that in five years deep learning is going to do better than radiologists. It might be ten years."

-Geoffrey Hinton, University of Toronto

Al detects breast cancer as well as most radiologists

March 06, 2019 | Michael Walter | Artificial Intelligence











Artificial intelligence (AI) systems can achieve a cancer detection accuracy similar to that of an average breast radiologist, according to new findings published by the Journal of the National Cancer Institute.

"Considering the increasing scarcity of radiologists in some countries, including breast screening radiologists, alternative strategies to allow continuation of current screening programs are required," wrote Aleiandro Rodriguez-Ruiz, MSc.

AI equal with human experts in medical diagnosis, study finds

Research suggests AI able to interpret medical images using deep learning algorithm



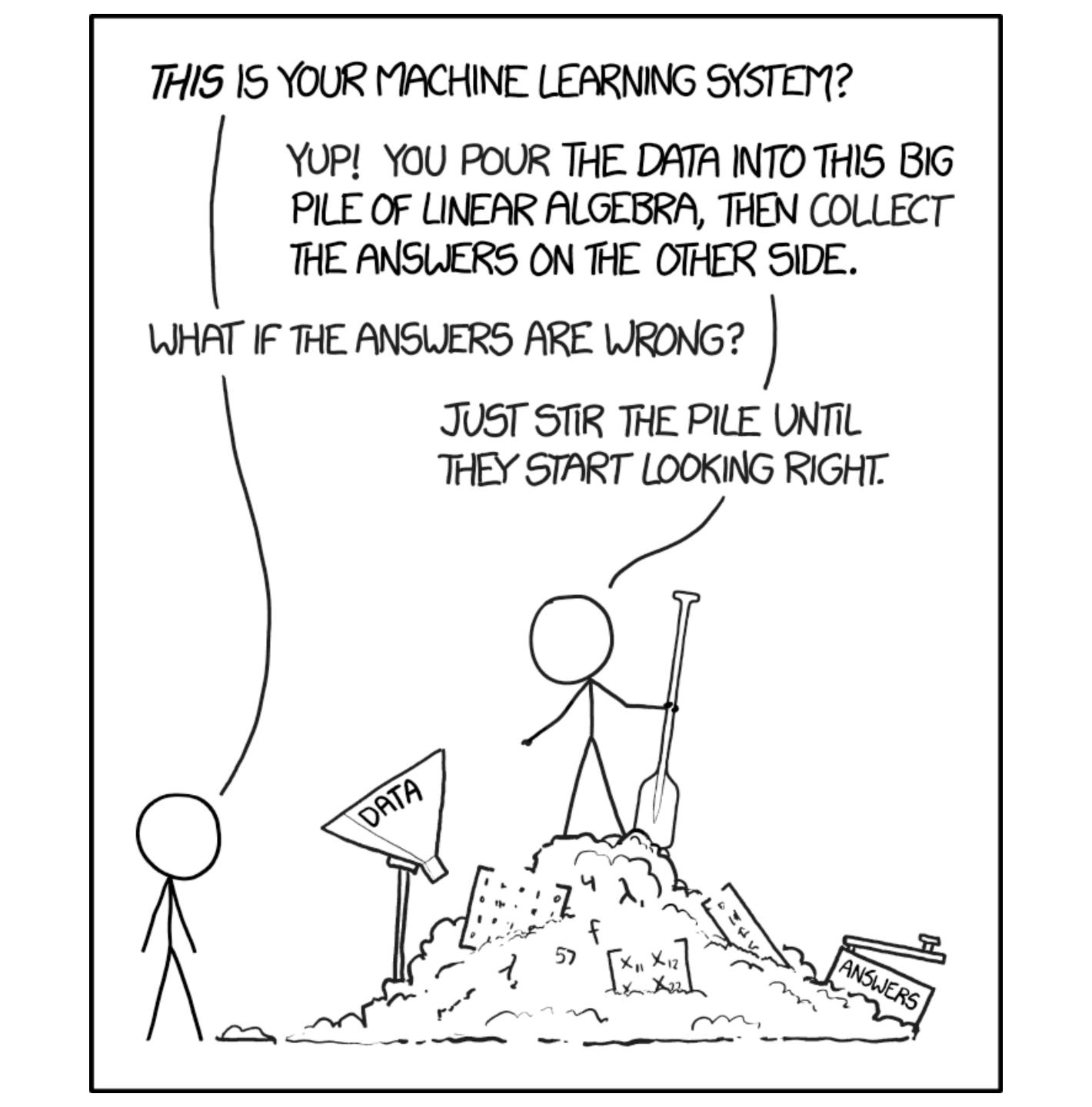
▲ Advocates for artificial intelligence being used in healthcare say it will ease strain on resources and free up time for doctor-patient interaction

Photograph: Eduard Muzhevskyi/Alamy Stock Photo

Artificial intelligence is on a par with human experts when it comes to making medical diagnoses based on images, a review has found.

The potential for artificial intelligence in healthcare has caused excitement, with advocates saying it will ease the strain on resources, <u>free up time for doctor-patient interactions</u> and even aid the development of tailored treatment. Last month the government announced £250m of funding for a new NHS artificial intelligence laboratory.









Google apologises for Photos app's racist blunder

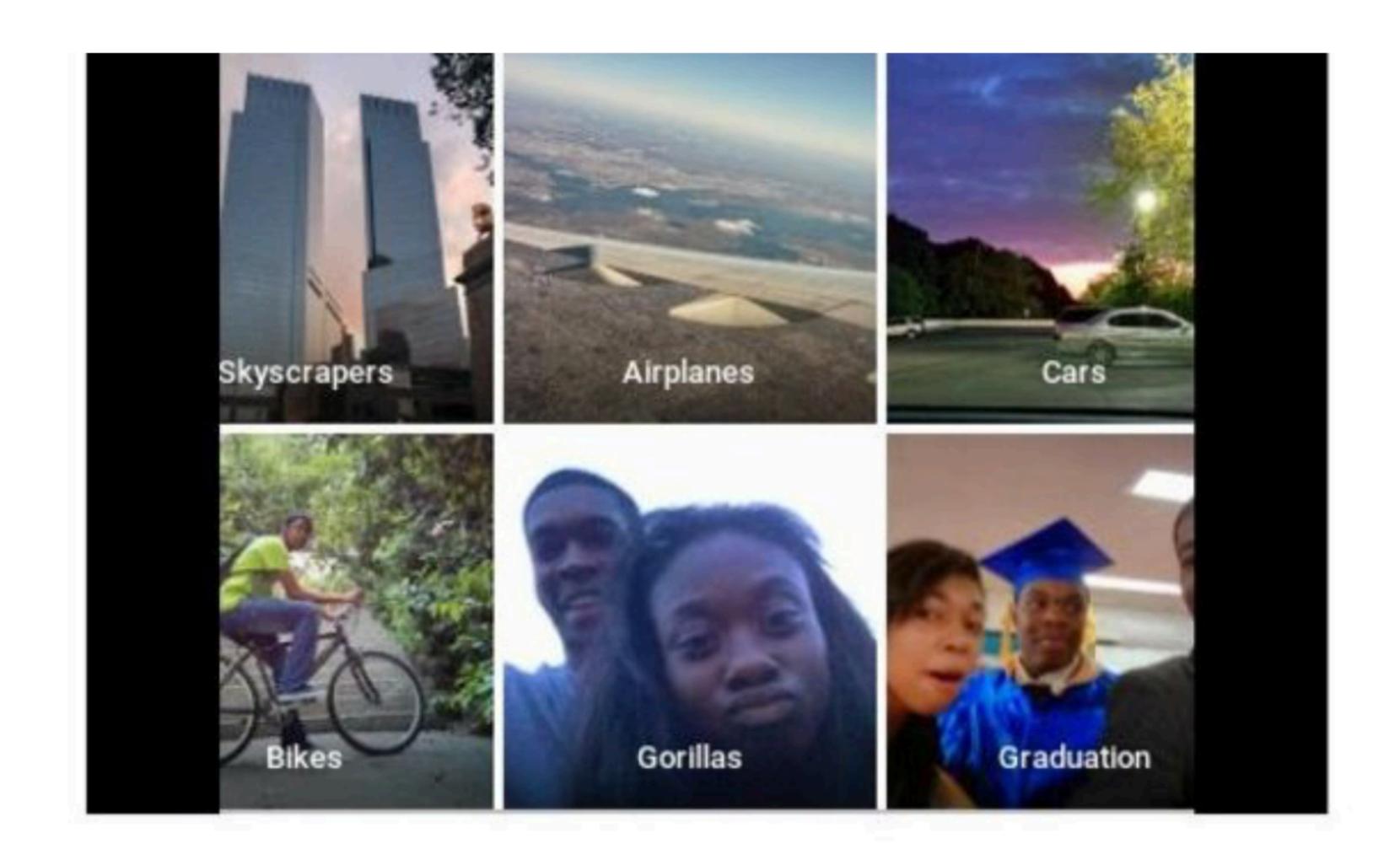














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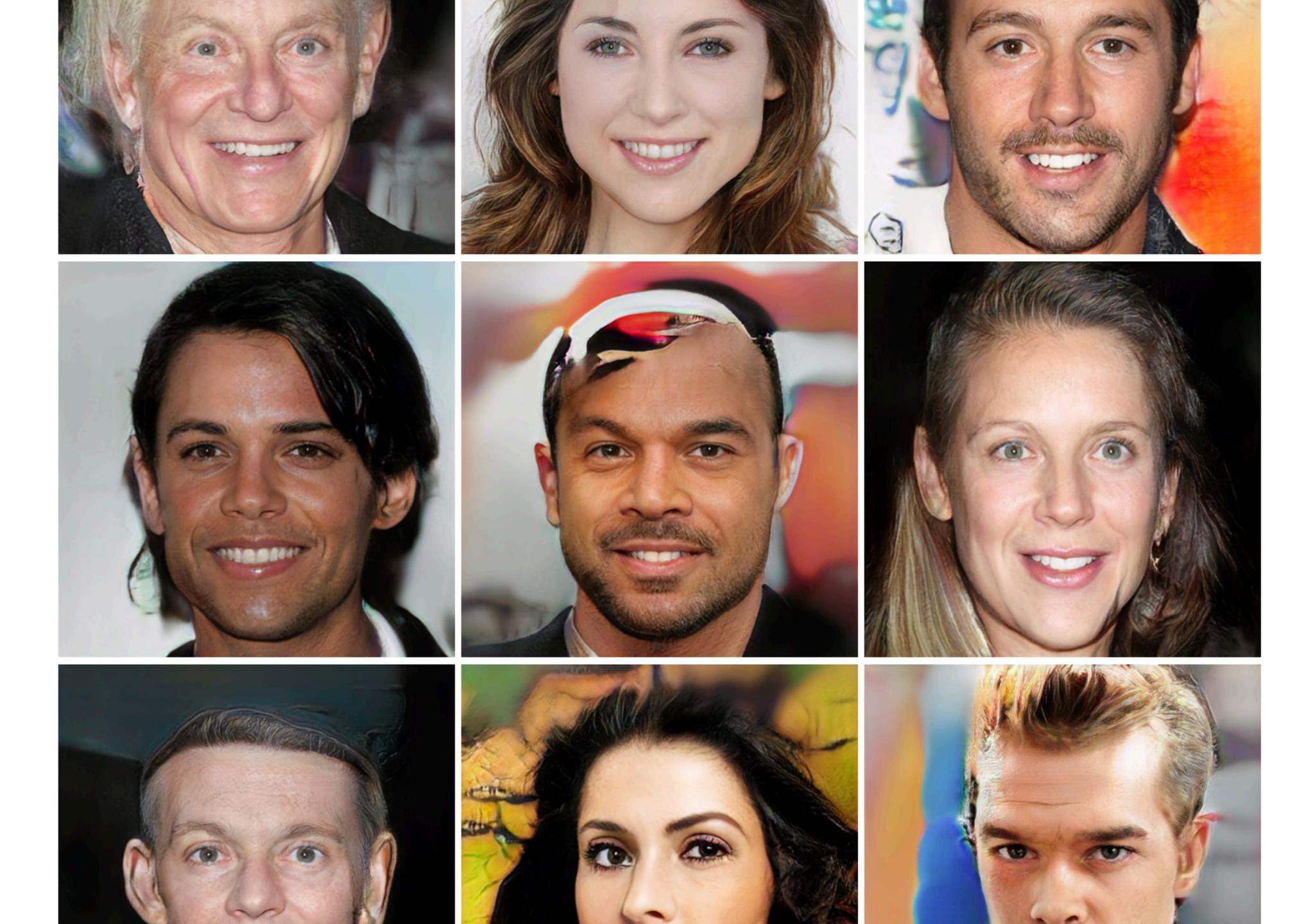




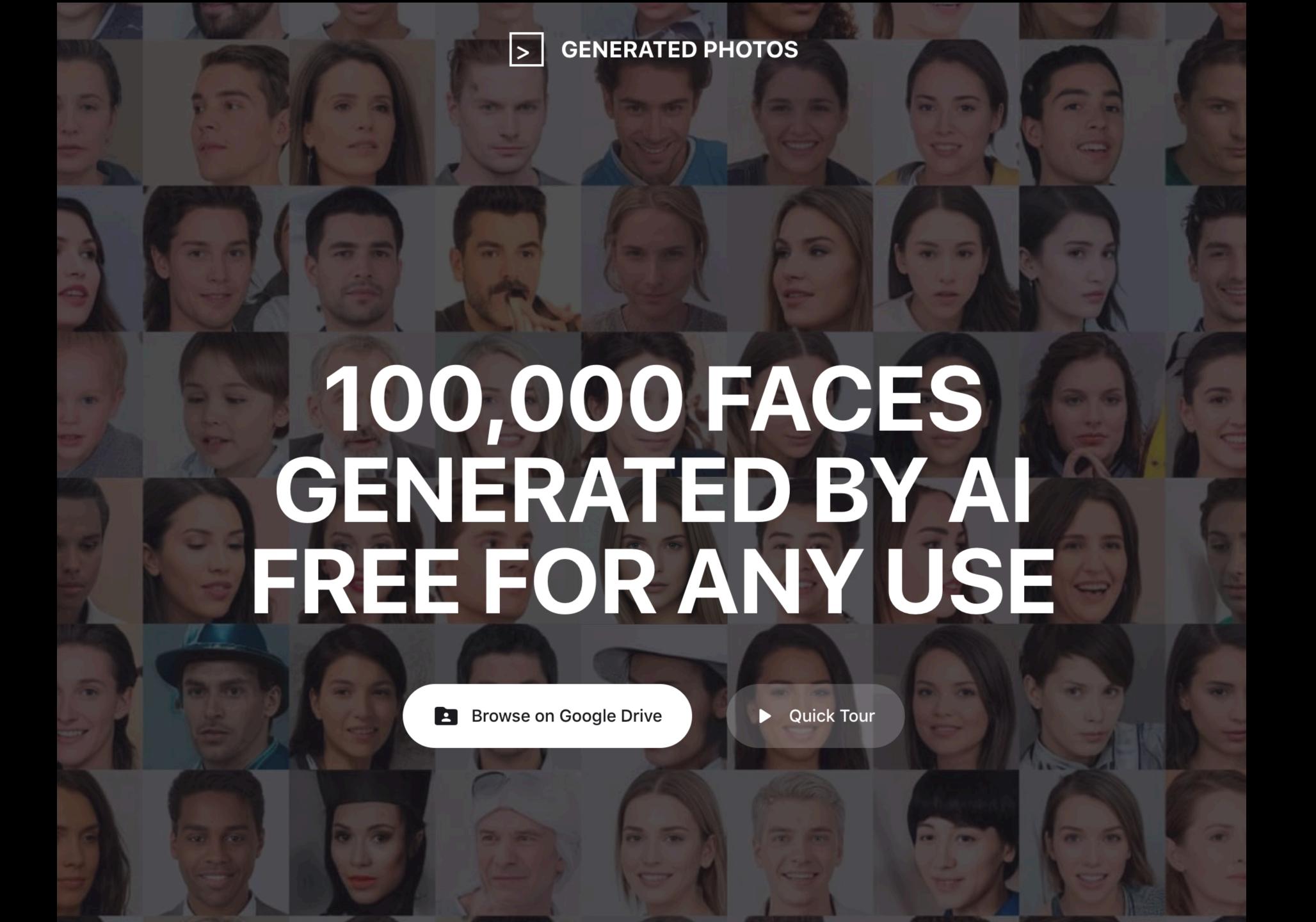
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IN BRIEF

Last year, DeepMind shared details on WaveNet, a deep neural network capable of producing realistic-sounding synthetic speech. Now, the system has been refined enough to warrant a full rollout for Google Assistant across all platforms.

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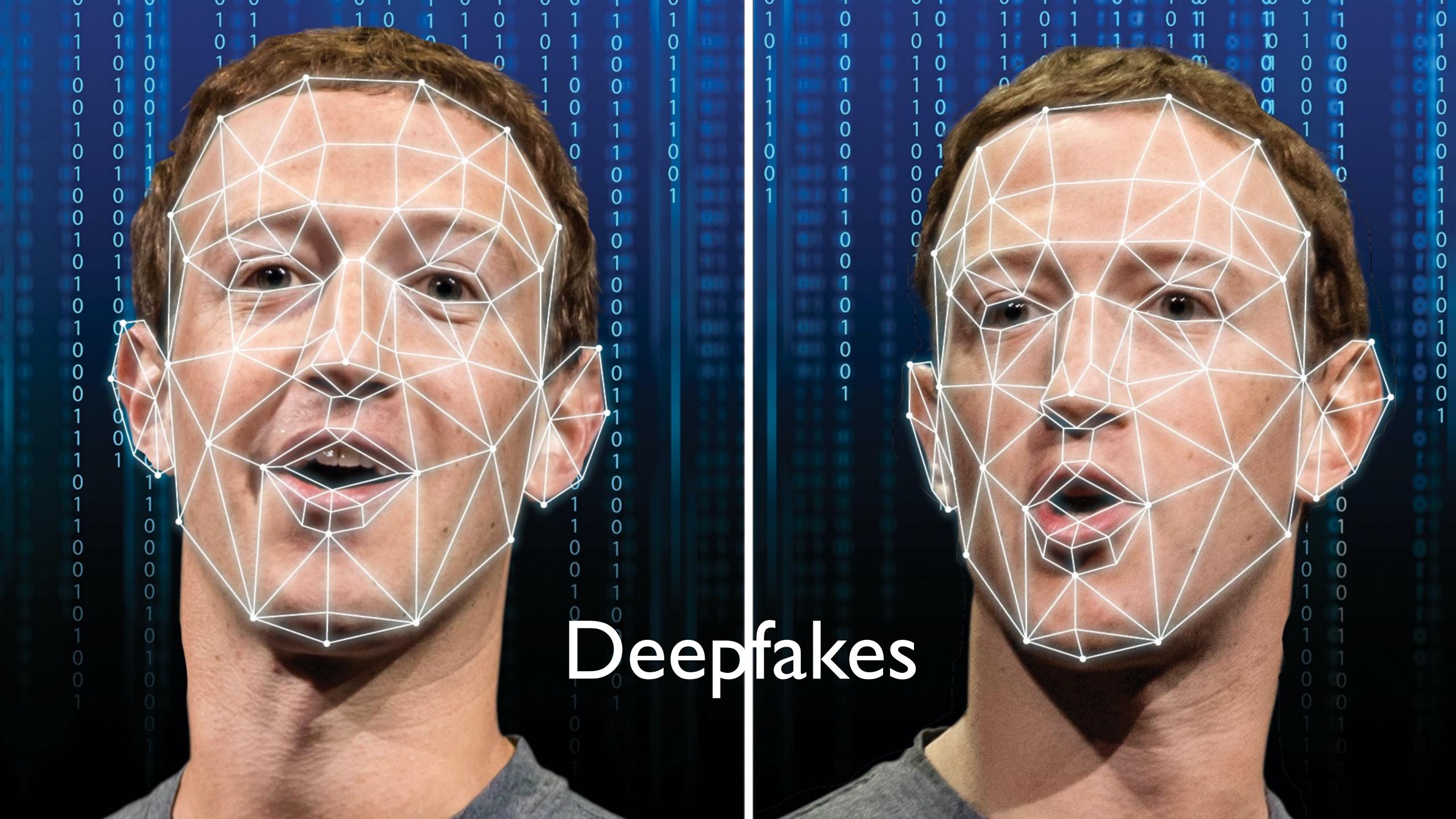








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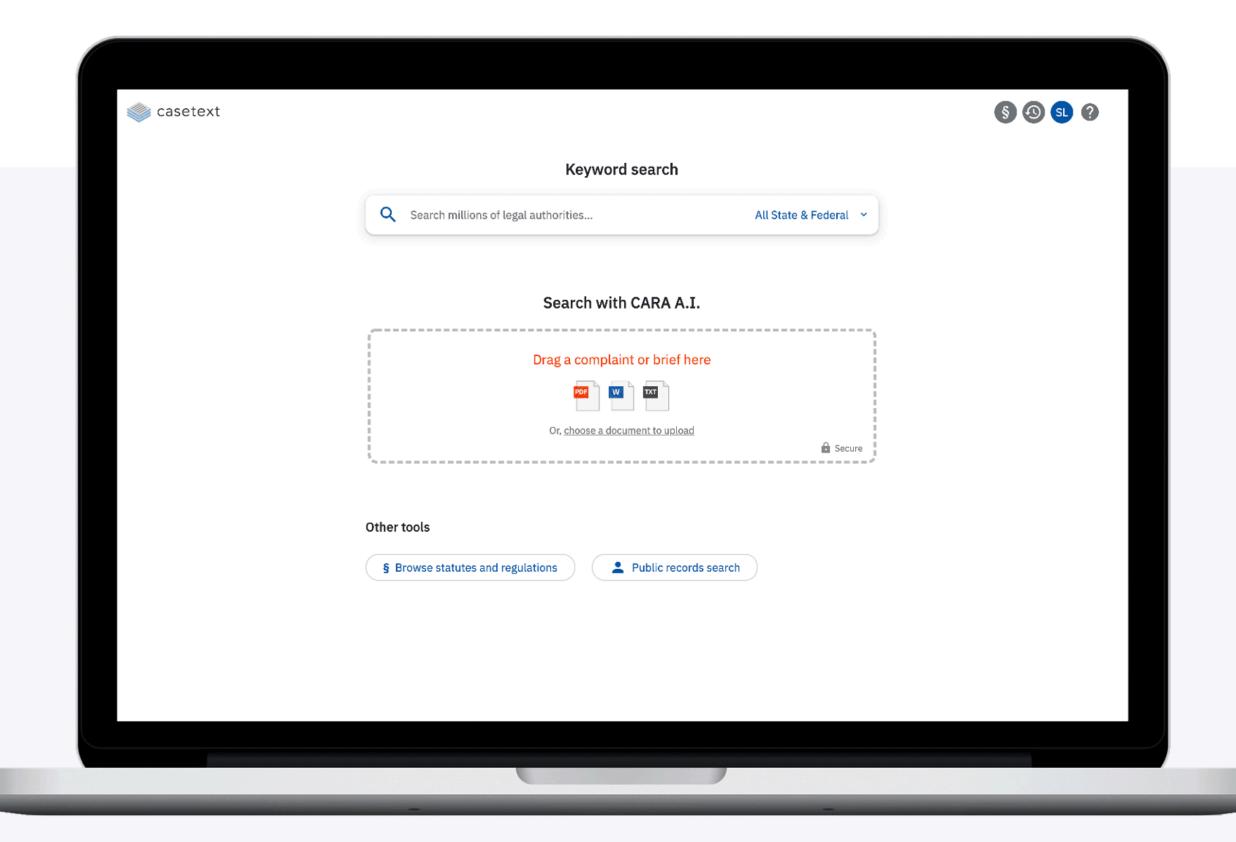
Hamlet logo by Krisztián Mátyás used under the Creative Commons Attribution License.



Research Process

- Identify Topic
- · Preliminary Search for Information
- Locate Materials
- Evaluate Sources
- Make Notes
- Write Paper
- · Cite Sources
- Proofread and Edit

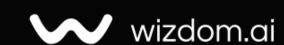




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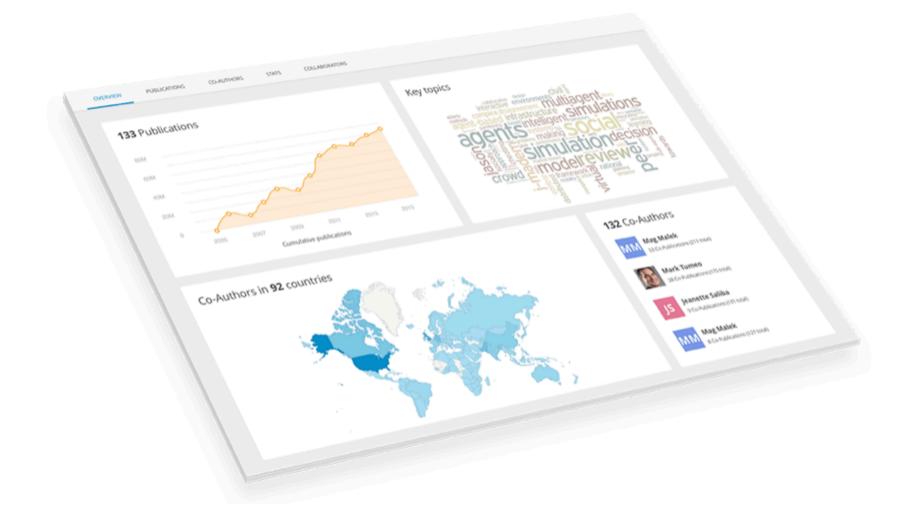
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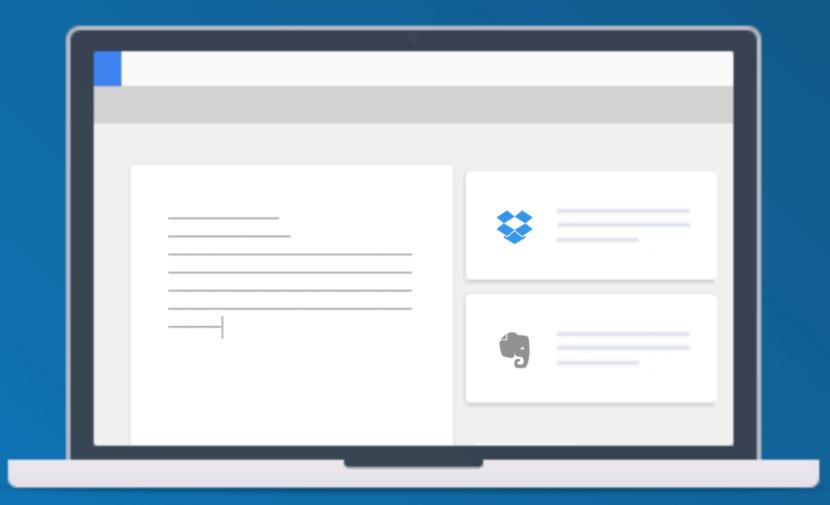


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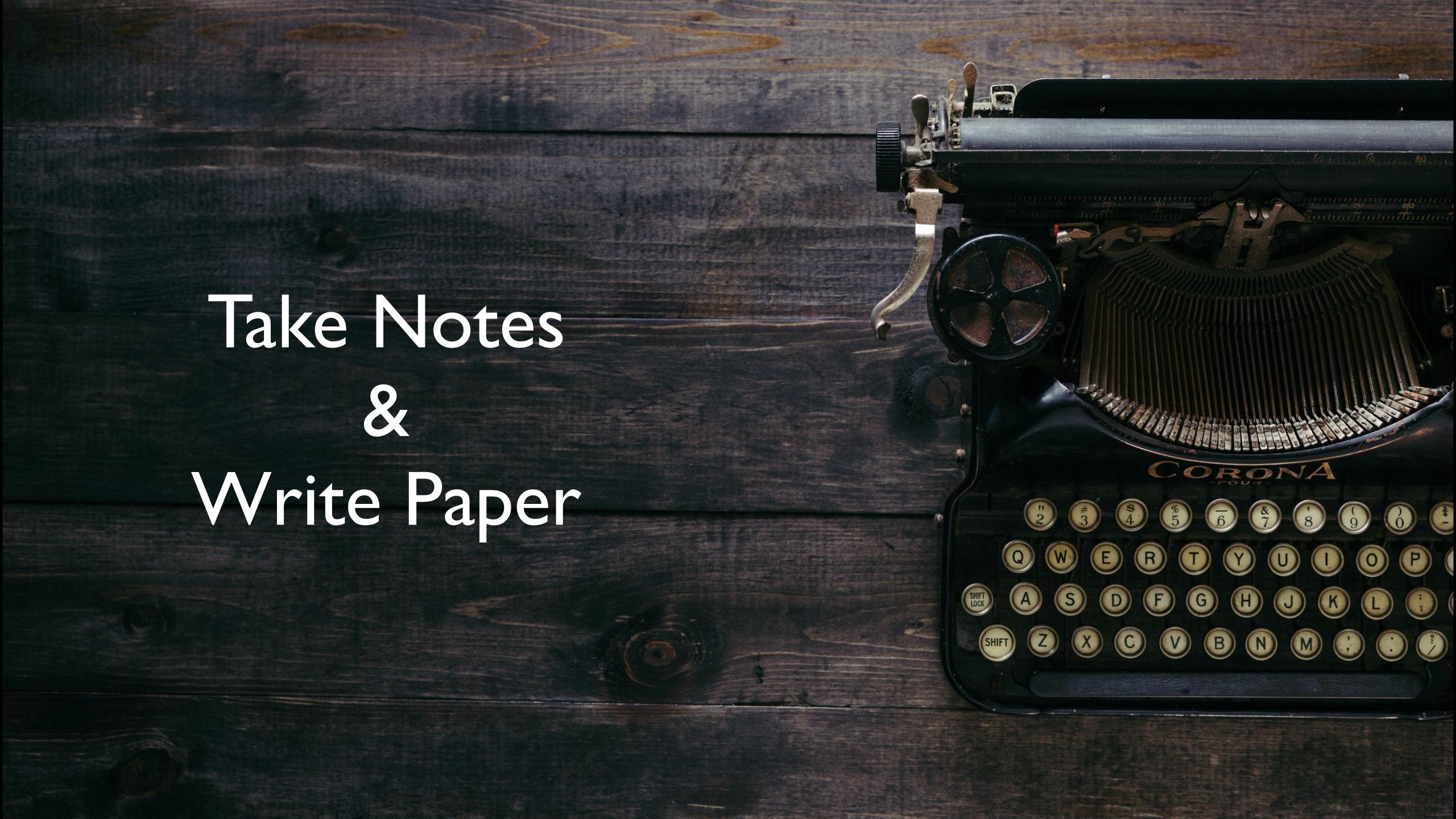
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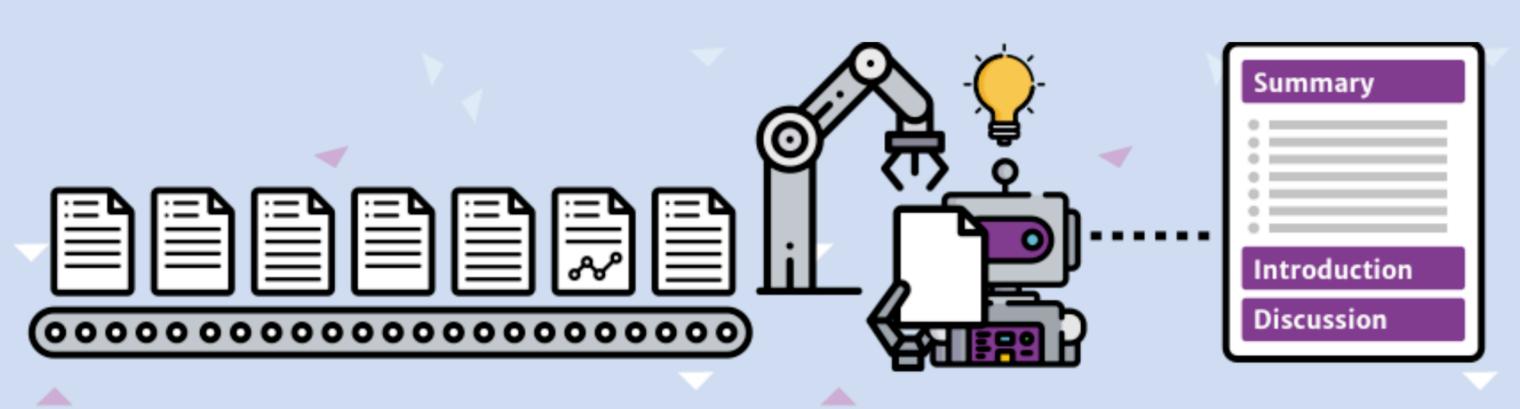
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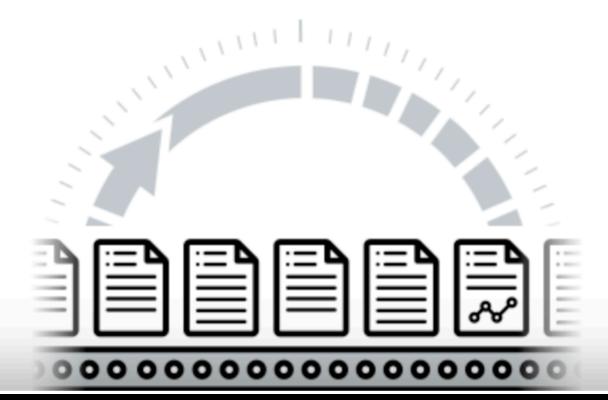
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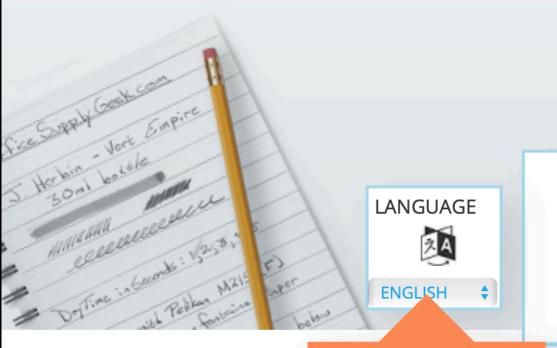
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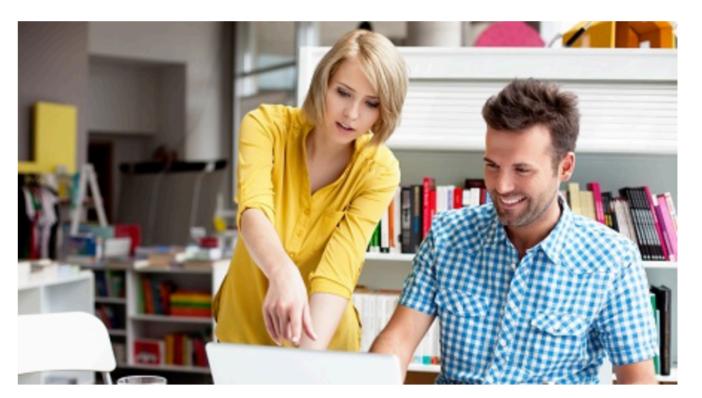




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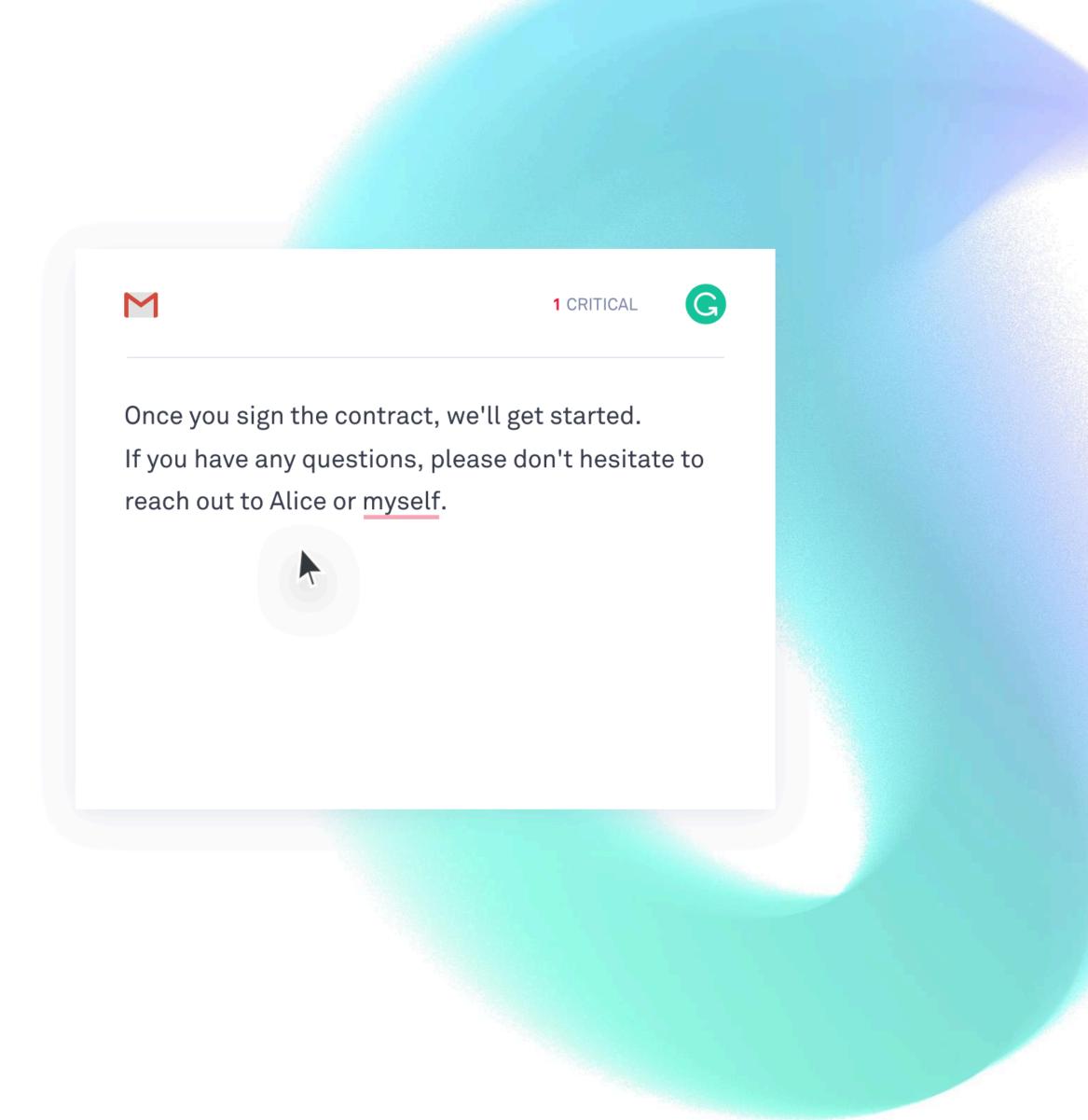


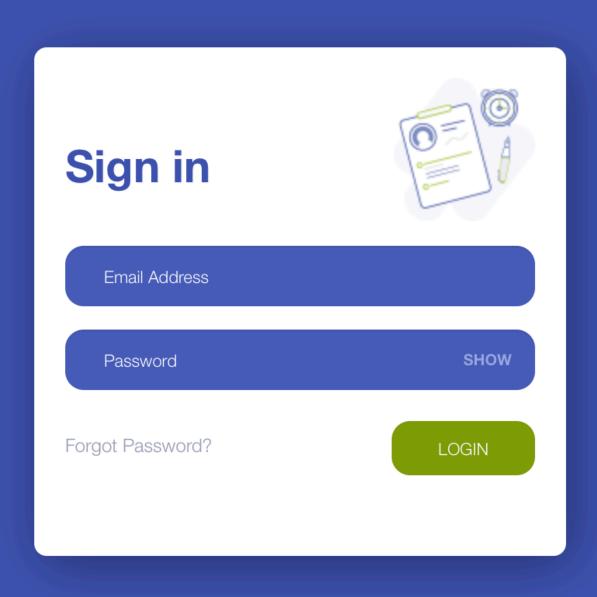
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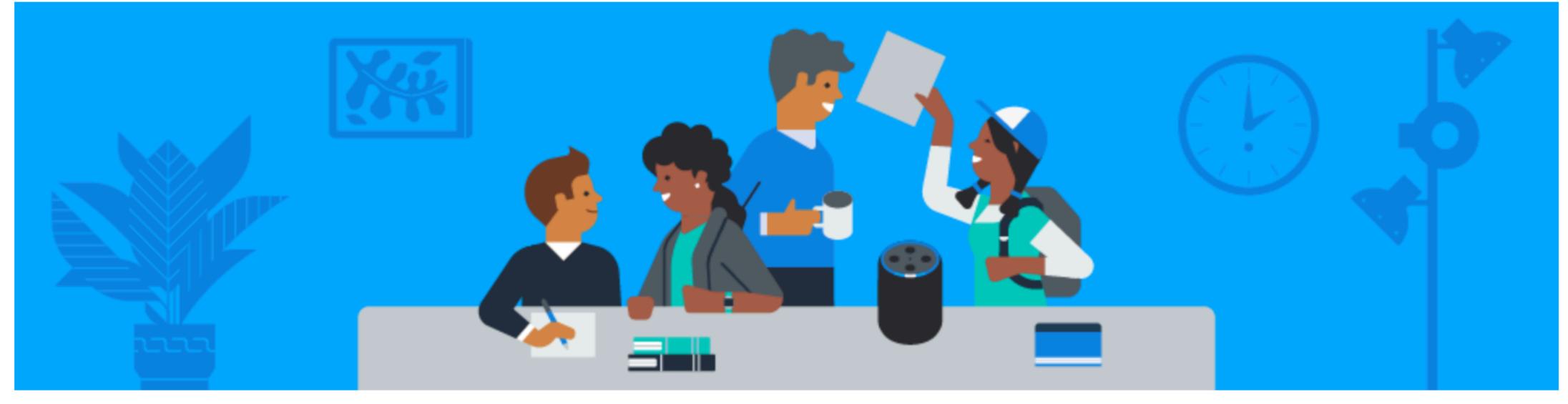
The Alexa Education Skill API (Preview) Allows You to Easily Create Voice Interfaces for **Education Technology Applications**



September 25, 2019 Marissa Mierow

Alexa Skills Kit

Announcements



Walre excited to introduce the Alexa Education Skill ADL a new set of interfaces that allow Education Technology (Ed Tech) developers

We worked closely with a variety of leading Ed Tech companies to develop the Alexa Education Skill API. These developers will release skills later this year with the following use cases:

- Kickboard: launching a new skill that allows parents to receive school communications about their child's behavior in school.
- ParentSquare: launching a skill that enables parents to get school messages, posts and updates with Alexa to help parents stay
 connected to school.
- Coursera: launching a skill that allows students over 13 to stay updated on their coursework and check their progress for any
 courses they are enrolled in on the Coursera platform.
- Canvas: updating their Canvas skill to enable customers to ask for updates on assignments and school communications for parents and students over 13.
- Blackboard: launching a skill that will include upcoming assignments for parents and students over 13.

If you are interested in getting updates or learning more about the preview, please visit our site and sign up.





Privacy Implications

```
background:
font-family:
font-size: 12px;
margin-bottom: >
         background: #292d38;
         text-transform:
         border-bottom:
         border-top: 1
         padding: 13r
        &:first-child f
        &: last-child f
           background: #1b1e26:
                                  Photo by Zany Jadraque on Unsplash
```





Black Box



Filters & Bubbles Photo by <u>Aaron Burden</u> on <u>Unsplash</u>



Amara's Law

"We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run."

-Roy Amara

Amara's Law

"We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run."

-Roy Amara

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