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INFSCI 10

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Articles

Regular Article:

[espn.com/nba](https://www.espn.com/nba/story/_/id/30770833/heat-use-coronavirus-sniffing-dogs-screen-fans)

Every since COVID has restricted fans from seeing their favorite sports teams, today some fans might be able to see them play for the first time since the quarantine. The NBA team, the Miami Heat, are bringing fans back into the games with the help of some COVID sniffing dogs. This article written by the Associated Press, “Miami Heat to use coronavirus-sniffing dogs to screen fans at games,” talks about this at their arena. This plan has been in the world for months and some of these trained dogs had started sniffing a handful of guests, mainly friends and family of players and staff. The idea of using specialized dogs is not a new concept but using them for covid has been used at airports in Dubai and Helsinki in recent months. Fans will enter a screening area and the detection dogs will walk past them. If the dog continues to walk, the fan is cleared, but if the dog sits, it means that the dog has detected the virus and the fan will be denied entry to the arena. If a fan is allergic to or afraid of dogs, there exists another option which is to submit a rapid antigen test.

IoT Article:

[cnet.com/news/drones](https://www.cnet.com/news/drones-and-digital-models-make-infrastructure-inspections-safer-and-more-accurate/)

Drones are a new and emerging technology as our knowledge continues to increase each and every day. We have drones that are used for a variety of things such as filming and to be used in situations where in person flight is too risky. This article written by Marta Franco, “Drones and digital models make infrastructure inspections safer and more accurate,” talks about how the use of drones and digital models can make this job much easier and even take out in person inspections. Infrastructures such as dams and bridges can be very difficult to inspect properly and with limited equipment for humans to use. A company called HDR, specializing in engineering, architecture, environmental, and construction services had used drones for the past three years and through these years, the program has grown from five pilots to more than 20 pilots. The article had also talked about the inspection of Diablo Dam with drones. The results concluded more than 82 million data points that had created a 3d representation and documentation on the condition of the dam and the areas that need repair.

**3 February 2021**

Net Neutrality:

<https://www.androidcentral.com/what-new-fcc-chairperson-means-us-internet>

Jessica Rosenworcel is a graduate of the New York University of School of Law and served as Senior Communication Counsel for the United States Senate Committee on Commerce, Science, and Transportation. She was recently picked by President Biden to serve as the new FCC Chairperson. She is behind the idea of net neutrality. The new FCC is currently tied in a 2-2 voting split, and currently the Democrats will eventually appoint a third member to give the vote a majority. Net neutrality is the principle that an Internet service provider must treat all communications equally and Rosenworcel wants to bring it back.

Regular Article:

<https://www.cnet.com/news/dogecoin-the-joke-cryptocurrency-that-somehow-became-real/>

Dogecoin is a cryptocurrency, like bitcoin, that enables p2p transactions across a decentralized network. The Doge meme is iconic with many people on the internet and maker, Palmer, did not expect it to be the way it is now. Palmer had originally thought that this entire coin was a joke, but the internet took it by storm. Forum threads and crypto articles, especially Reddit, led to the coin’s rapid rise. The subreddit for the cryptocurrency had exploded. Palmer, after many failures with Dogecoin, he withdrew from the cryptocurrency industry. In the question of did Dogecoin solve any problem, Palmer responded saying that he does not believe that it did not solve anything and that it only exists as an educational tool.

Why is Gamestop going wild right now?

Gamestop stock is going crazy right now because of Reddit posters and Wall Street hedge funds. The subreddit, “WallStreetBets,” had their members buy the GameStop stock where they would short sell or do whatever they would like to beat the hedge funds. Some people have called for an intervention from regulators and now the stock market is being closely watched by all people.

**10 February 2021**

Automobile/Vehicle Technology

[https://www.cnbc.com/2021/01/12](https://www.cnbc.com/2021/01/12/gm-shares-hit-record-high-on-electric-van-and-flying-car-potential-plans.html)

General Motors had hit a record high on their shares after revealing an electric delivery van and potential plans to delve into futuristic flying cars. The EV600 Electric van is scheduled to go on sale through a new commercial business unit of GM’s BrightDrop later this year. The vice president of GM global design stated that the concept reflected the needs and wants of the passengers at that particular moment and GM’s vision of the future of transportation. It is designed to hold one passenger at about 56 mph between urban destinations. It is said that the autonomous urban aircraft market may be worth about $1.5 trillion by 2040.

Regular Article:

[https://www.cnet.com/news/](https://www.cnet.com/news/google-to-add-heart-and-respiratory-rate-tracking-to-android-phones/)

Google, in competition with Apple, had unveiled its newest features for tracking breathing and heart rates on smartphones. These new features include measuring a person’s respiratory rate and heart rate using the phone’s camera. Taking a selfie, software measures breathing by detecting small movements of the chest. To measure heart rate, a person would place a finger on top of the rear camera lens and here software will analyze subtle changes of color to the skin of the fingertip. These features will be coming to Google’s Fit app and first will be released on Google’s flagship Pixel phones, then all other android phones in the following months. Google had tested these features with people from a variety of backgrounds, health conditions, and skin tones.

**17 February 2021**

Fake news article

[https://www.axios.com](https://www.axios.com/journalist-identity-theft-hacks-fake-news-1a5bb3b0-fe8e-4bec-b0d4-beace3001aed.html)

In the article, Sara Fischer wrote about fake news on the internet today and how everyone has to be cautious when browsing the web for news. Fischer brought up multiple examples of how journalists’ names are being used to spread fake news on the internet and that these journalists’ reputation was hijacked. One example, Joe Gould, a Congress and Industry reporter for Defense News, spoke about how his identity was hacked leading to a right-wing meme conspiracy. He had received more than five dozen emails asking him if that article was really written by him and it was not. Like many fake news, this rapidly spread onto bigger platforms such as Facebook leaving many people believing that his article is the truth. One side being that the people were thanking him for good journalism and have been duped. To combat this fake news, platforms like Facebook are trying to ask journalists to register for additional account protections.

Regular article

[https://www.cnet.com/roadshow](https://www.cnet.com/roadshow/news/uber-walgreens-team-up-to-get-people-to-covid-19-vaccine-appointments/)

The article written by Carrie Mihalcik states that Uber and Walgreens will team up and collaborate with each other for people to get Covid-19 vaccine appointments. They plan on giving people in underserved communities free rides to stores and vaccine clinics hosted by Walgreens. It had started in Chicago, Atlanta, Houston, and El Paso, Texas, and will expand to more cities. This plan is part of Uber’s larger commitment to provide up to 10 million free or discounted rides to vaccinations.

**24 February 2021**

5G Article:

[https://www.pcmag.com/news/t-mobile](https://www.pcmag.com/news/t-mobile-standalone-5g-boosts-rural-coverage-at-the-cost-of-speed)

T-Mobile is launching a low-band, standalone 5G in rural areas but studies have shown that the speeds are slower than the rest of its 5G network. A study done from OpenSignal states that its 5G availability in urban areas improved from 26.9% to 31.5% but availability in rural areas jumped from 24.5% to 33.3%. Rural areas have benefited more from T-Mobile’s 5G network compared to urban areas.If you were to combine both 4G and 5G channels, it will improve speed and performance. The rural 5G also has lower latency because of the advantage of the 5G encoding.

Regular Article:

[https://www.usnews.com/news](https://www.usnews.com/news/national-news/articles/2021-02-19/scientists-clone-endangered-us-animal-for-the-first-time)

A black-footed ferret was brought back into existence from the frozen cells of an ancestor and scientists have successfully cloned the endangered U.S. animal for the first time. It was announced on Friday that the ferret, named Elizabeth Ann, was cloned from its ancestor that had lived more than thirty years ago. The black footed ferret is one of North America’s rarest land animals and is native to the Great plains but a variety of threats had brought it to its extinction. Like many endangered animals, without enough genetic diversity, a species becomes more susceptible to disease and genetic abnormalities and this is the reason the Wildlife Service is working with scientists to increase genetic diversity and disease resistance. The successful cloning of the ferret helped address genetic barriers many wildlife species face and hopes to increase the chances of these ferrets in becoming self-sustaining in the future.

**3 March 2021**

Drones article:

[https://www.udel.edu/udaily](https://www.udel.edu/udaily/2021/february/pcs-drones-pilot-training-professional-continuing-studies-21s/)

COVID-19 pandemic has led to a wide change throughout the world and how we live and stay safe. Drones are a recently trending technology that has seen its chance in the spotlight. The University of Delaware’s Division of Professional and Continuing Studies had prepared students to launch its award-winning drone program. This program has provided training and preparation of drone pilots and allows pilots to fly a drone for commercial use. Wing became the first drone delivery company to conduct test flights and delivered household goods and meals from Walgreens to a limited area. Many companies are now taking the initiative to use drones to up their sales and not only are food deliveries using drones, first responders, insurance adjusters, engineers, and realtors are using drones in their day to day job.

Regular Article:

[https://pittsburgh.cbslocal.com](https://pittsburgh.cbslocal.com/2021/02/26/giant-eagle-pittsburgh-steelers-covid-19-vaccination-clinic-heinz-field/)

Giant Eagle and the Pittsburgh Steelers are partnering together to host a COVID-19 vaccination clinic at Heinz field and that the majority of appointments will be made available via online. By 11:30 Friday morning, Giant Eagle stated that all the appointments available had been booked already. The people with appointments will receive the Pfizer vaccine and the second dosage will be from the Moderna vaccine. Those who arrive at the vaccination clinic without an appointment, or who is not 65 or older, will be turned away.

**10 March 2021**

GDPR article:

<https://www.techradar.com/news/gdpr-is-already-out-of-date-founder-warns>

The GDPR, or the General Data Protection Regulation in the European Union, has made its marks and effects. German MEP Axel Voss, one of the strongest proponents of the GDPR, believes that it is time to give that regulation an overhaul. He believes that the GDPR is not ready to tackle the challenges of today and that with working at home, it only complicates data protection even more. He argues that the GDPR is a compliance “minefield” for organizations that have a remote workforce.

Regular Article:

<https://www.cnet.com/health/zoom-fatigue-is-apparently-a-real-thing-and-now-researchers-know-what-causes-it/>

With COVID-19 being around and no one knows when everyday life will go back to normal or even if this will be the new normal, zoom has taken the world by storm. Zoom is a communications technology providing video telephony and online chat services mainly used for telecommuting. With students being on zoom for many hours of the day and or all day, there exists fatigue just looking at the camera. Recently Stanford researchers now have a name for this fatigueness and why this happens. They stated that this is caused by four main reasons: excessive and intense eye contact, constantly watching video of yourself, the limited mobility of being stuck, and more energy spent identifying social cues.

**17 March 2021**

Bitcoin article:

<https://www.cnbc.com/2021/02/11/uber-wont-buy-bitcoin-with-its-cash-may-later-accept-it-as-payment.html>

The CEO of Uber, Dara Khosrowshahi, told CNBC that the company would discuss but it quickly dismissed the idea of buying bitcoin with corporate cash like the famous company Tesla. He is, however, thinking that Uber would consider accepting cryptocurrencies as payment. HE says that the company is going to keep their cash safe and not in the speculation business. Dara also said that the company’s upside is in the business that they have built instead of investments. With Bitcoin’s volatility, some skeptics still worry. While today there has been an increase of institutional adoption, some people still believe there’s too much uncertainty about its future. For Uber to commit to buying bitcoin, it has to be stable and secure first because it is to uncertain whether it will rise or fall.

Regular Article:

<https://www.cnet.com/news/china-and-russia-plan-to-build-a-moon-research-station-together/>

There exists a race to expand research opportunities on the moon and between Russian and China, they are teaming up on a project called the International Lunar Research Station, or the ILRS. The China National Space Administration had announced that it signed a memorandum of understanding with Russian space agency Roscosmos for joint construction of a lunar station. Details were given but only a few such as where the project could be based on the surface of the moon or an orbital station. NASA’s response to the Roscosmos and the CNSA announcement is to also try to work to end the agency’s reliance on Russian spacecraft to the ISS, which it is close to reaching.

**24 March 2021**

Artificial Intel. article:

https://www.cnbc.com/2021/03/17/openais-altman-ai-will-make-wealth-to-pay-all-adults-13500-a-year.html

Sam Altman, co-founder and president of artificial intelligence-focuses nonprofit OpenAi, states that every adult in the United States could be paid $13,500 per year. He calls this age an “AI revolution,” like the agricultural, industrial, and computational technological revolutions before it. The technology that we can create and with what we have, he believes that in the next 100 years, our advancements will be far larger than ever before. He believes that if the government collects and redistributes the wealth that AI will generate, it could make society of the future much less divisive and enable everyone to participate in its gains. At its current pace and future development increases, AI will create a phenomenal wealth he also says.

Regular Article:

https://phys.org/news/2021-03-biological-device-capable-cells-paper.html

The Research Group of Synthetic Biology for Biomedical Applications at Pompeu Fabra University in Barcelona, Spain has designed a cellular device that is capable of computing by printing cells on paper. This is the first invention that had developed a living device that could be used outside the laboratory without a specialist. What is surprising about this is that it can be produced on an industrial scale at a low cost. This machine uses “ink” of different cell types with nutrients to “draw” the circuits. The cells remain trapped in the paper, alive and functional, and continue to grow and able to release signals that travel through the paper and reach other cells.

**7 April 2021**

Cybersecurity article:

https://venturebeat.com/2021/03/29/canalys-more-data-breaches-in-2020-than-previous-15-years-despite-10-growth-in-cybersecurity-spending/

As technology continues to advance, the threat of cybersecurity and hackers getting information are rising as well. Companies today have spent record sums on cybersecurity and yet the number of successful attacks are higher than ever. Cybersecurity investment grew 10% in 2020 and according to Canalys’ report, it is said that more records were compromised in just 12 months than in the past 15 years combined. Canalys is a leading global technology market analyst firm and the company believes that these companies are still under-investing in cybersecurity. The real reason could be that companies are failing to make security a top priority.

Regular Article:

https://www.cnet.com/news/anti-asian-hate-and-harassment-increased-online-survey-finds/

Today, there has been an increase in Asian American hate and harassment and with COVID still present, it continues and even increases. With social networks being the resource for human interaction in a world of quarantine, the hate against Asian Americans and people of color have grown throughout the year. It is said that about 17% of Asian Americans in January have experienced severe online harassment compared to an 11% during the same time period last year. According to the Anti-Defamation League, not only are Asian American hate increasing, hate on African Americans, because of their race, increased from 42% to 59% this year. About 41% of Americans said they had experienced online hate and harassment. The ADL has announced a new effort called the REPAIR Plan which includes priorities such as ensuring that online platforms enforce their anti-hate rules.