



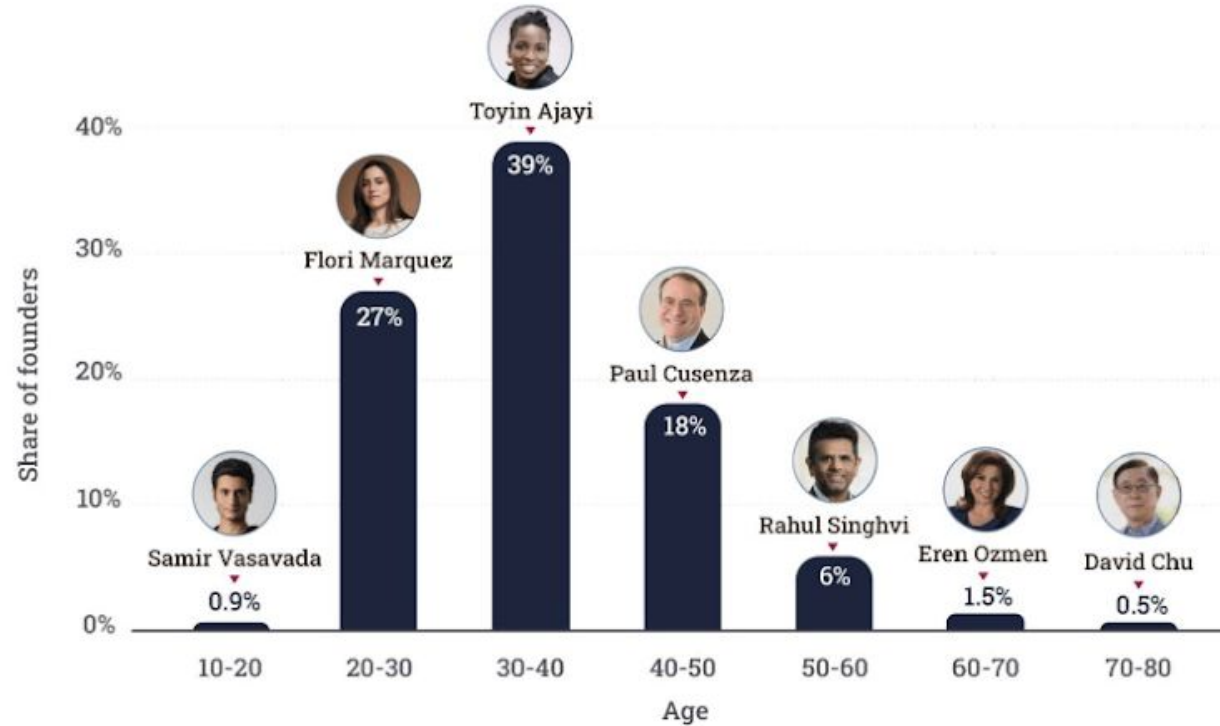
Building Academic Startups



October 2024

Not (Just) for Kids

Founders' Ages When Starting a Unicorn

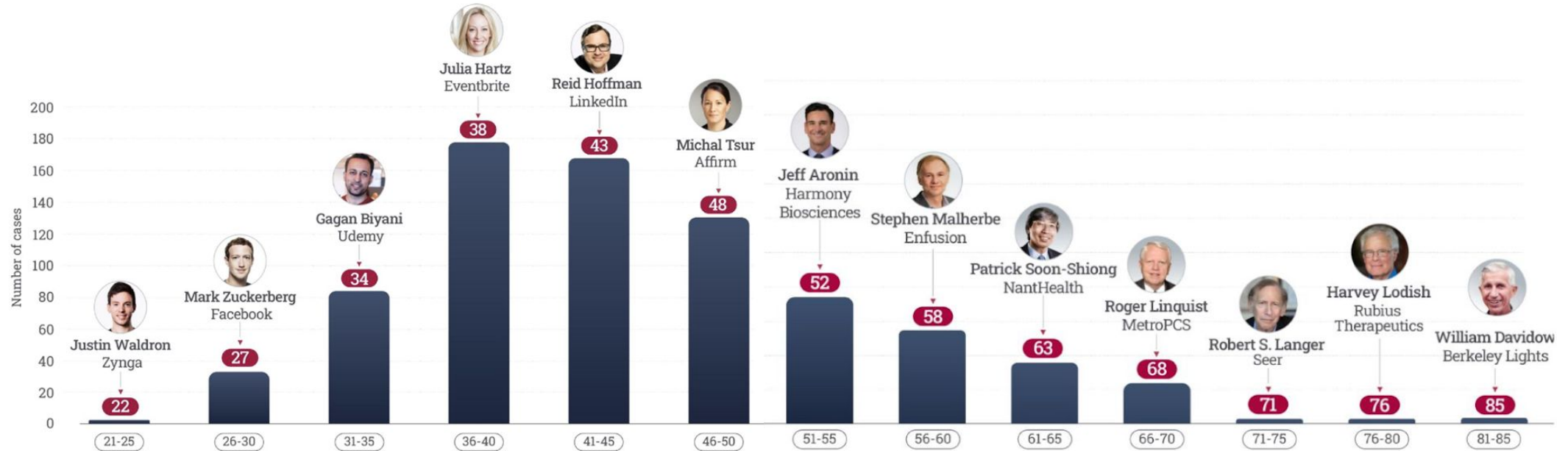


Data covers 1,110 US-based VC-backed companies that became unicorns between 1997-2021 and 2,916 of their founders. We determined age of unicorn founder at the time of starting the company for 2,715 of them.

SOURCE: Ilya Strebulaev, Venture Capital Initiative, Stanford Graduate School of Business (05/2023)

Not (Just) for Kids

Founders' Ages at IPO of a Unicorn



Data covers 1,110 US-based VC-backed companies that became unicorns in 1997-2021. The figure shows distribution of founders' ages when the companies they founded went public. Height of each bar corresponds to the number of founders whose age at IPO falls into the respective age bracket.

SOURCE: Ilya Strebulaev, Venture Capital Initiative, Stanford Graduate School of Business (07/2024)

Why are Academic Startups Important?

There are 5,435 companies, including 113 unicorns, founded by alumni of **Stanford University**. These companies have **raised over \$193.88 billion** in funding from 8,546 investors.

<https://tracxn.com/d/startups-by-alumni/stanford-university-alumni#:~:text=There%20are%205109%20companies%2C%20includin%20funding%20from%208166%20investors.>

Why are Academic Startups Important?

MIT alumni have created 30,200 active companies, employing roughly 4.6 million people, and generating roughly **\$1.9 trillion in annual revenues**.

Stanford alumni have created nearly 40,000 companies and 5.4 million jobs since the 1930s, generating roughly **\$2.7 trillion in annual revenues**.

Why are Academic Startups Important?

In the United States, more than **14,000 startups based on academic research** were formed from 1996 to 2017, and more than 1,000 per year were added in 2018 and 2019 – **a total of over 16,000 startups based on academic research.**

From 1996 to 2017, about **two-thirds of university patent** licenses went to startups and small companies with fewer than 500 employees.

Why are Academic Startups Important?

Inc.

HOT SPOTS

Silicon Valley's Success Reveals a Simple Insight: To Be a Startup City, Professors Must Take the Lead Professor-founded companies can create local jobs for graduates -- the basis for a lively startup scene. [↗](#)

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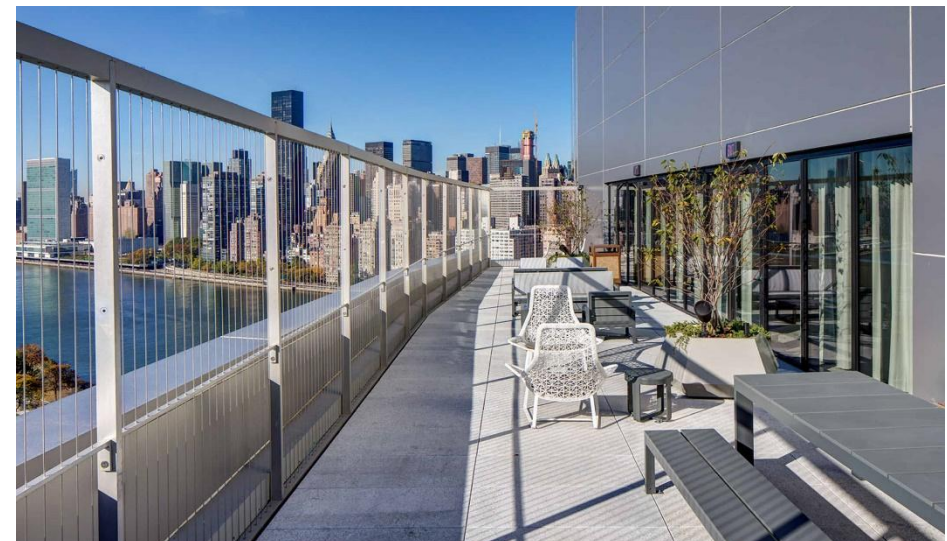
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CORNELL TECH



Why are Academic Startups Important?

Does entrepreneurship dilute academic/research focus?

MIT

Harvard

Johns Hopkins

UCLA

Georgia Tech

Princeton

Stanford

Wisconsin-Madison

CalTech

Columbia

Cornell

Duke

https://www.gradschoolcenter.com/top-research-universities/#Top_Research_Universities

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MIT	Stanford
Harvard	Berkeley
Johns Hopkins	Harvard
UCLA	MIT
Georgia Tech	U. Penn.
Princeton	Cornell
Stanford	Michigan
Wisconsin-Madison	Texas-Austin
CalTech	Yale
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<https://pitchbook.com/news/articles/pitchbook-university-rankings>

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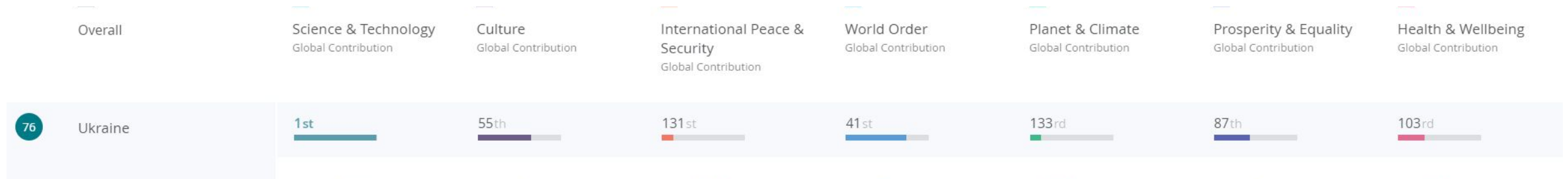
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<https://pitchbook.com/news/articles/pitchbook-university-rankings>

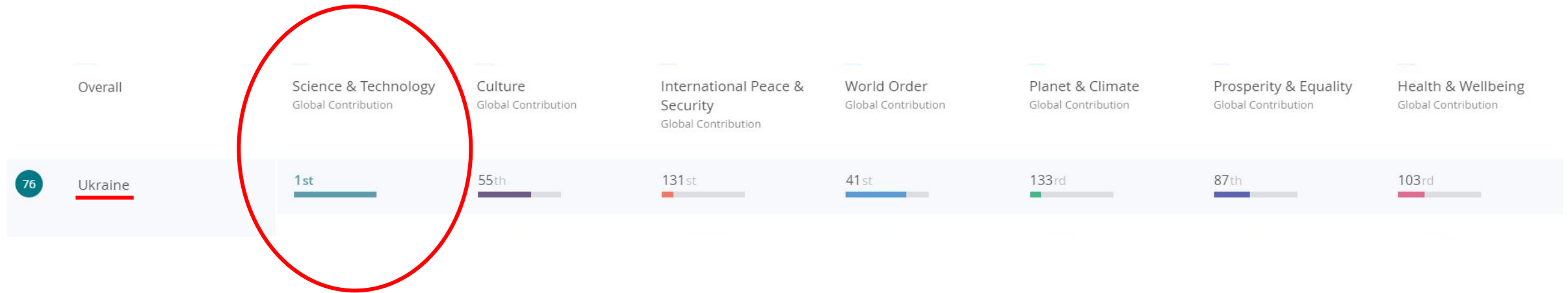
The Ingredients



The Good Country Index: measures what each country contributes to the common good of humanity, and what it takes away, relative to its size using a wide range of data from the United Nations and other international organizations; is the country a net creditor to mankind, a burden on the planet, or something in between.

<https://www.goodcountry.org/index/results#UKR>

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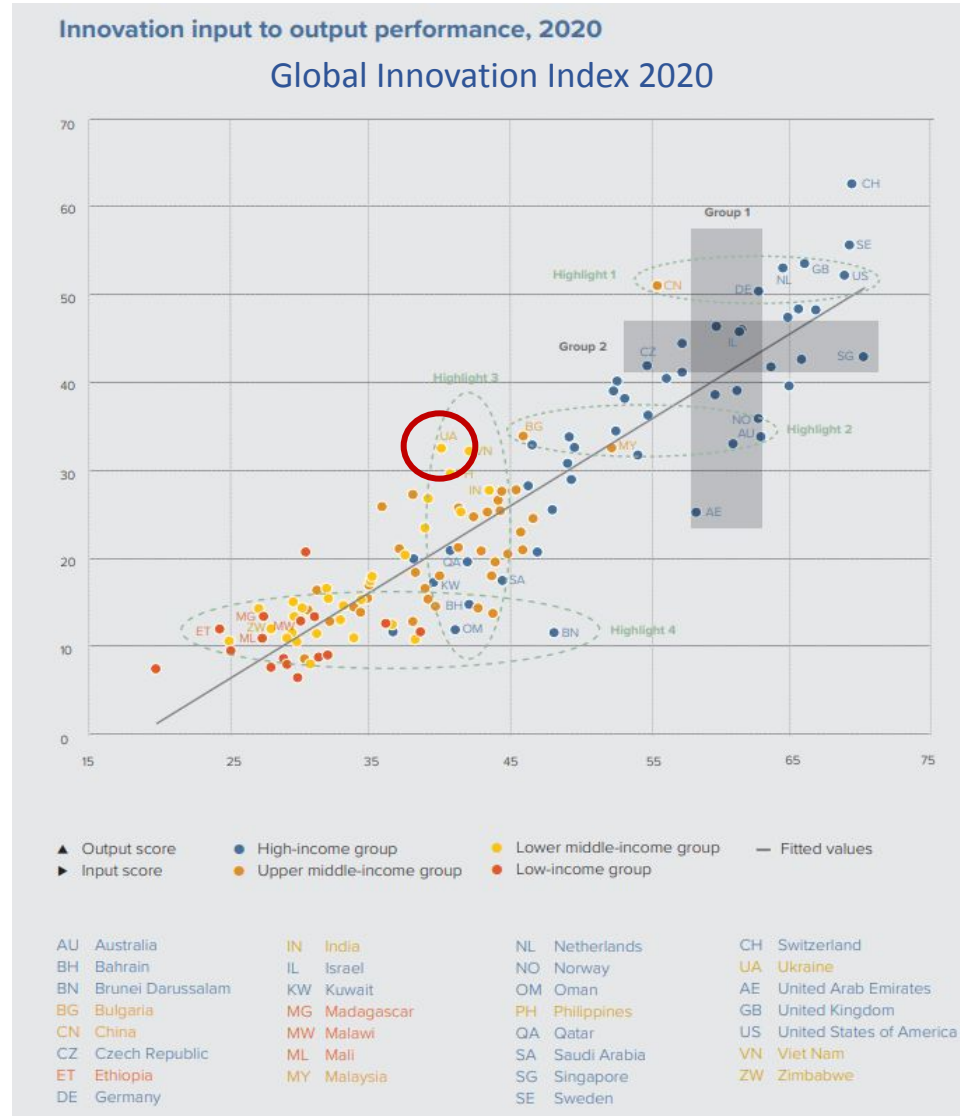
The Ingredients

World Economic Forum: The Global Competitiveness Report 2019

Index Component	Value	Score *	Rank/141	Best Performer
Ukraine				
Entrepreneurial culture 0-100	-	67.4 ↑	8	Israel
11.05 Attitudes towards entrepreneurial risk 1-7 (best)	5.0	66.9 ↑	7	Israel
11.06 Willingness to delegate authority 1-7 (best)	5.2	70.4 ↑	20	Denmark
11.07 Growth of innovative companies 1-7 (best)	5.2	70.8 ↑	5	Israel
11.08 Companies embracing disruptive ideas 1-7 (best)	4.7	61.6 ↑	9	Israel

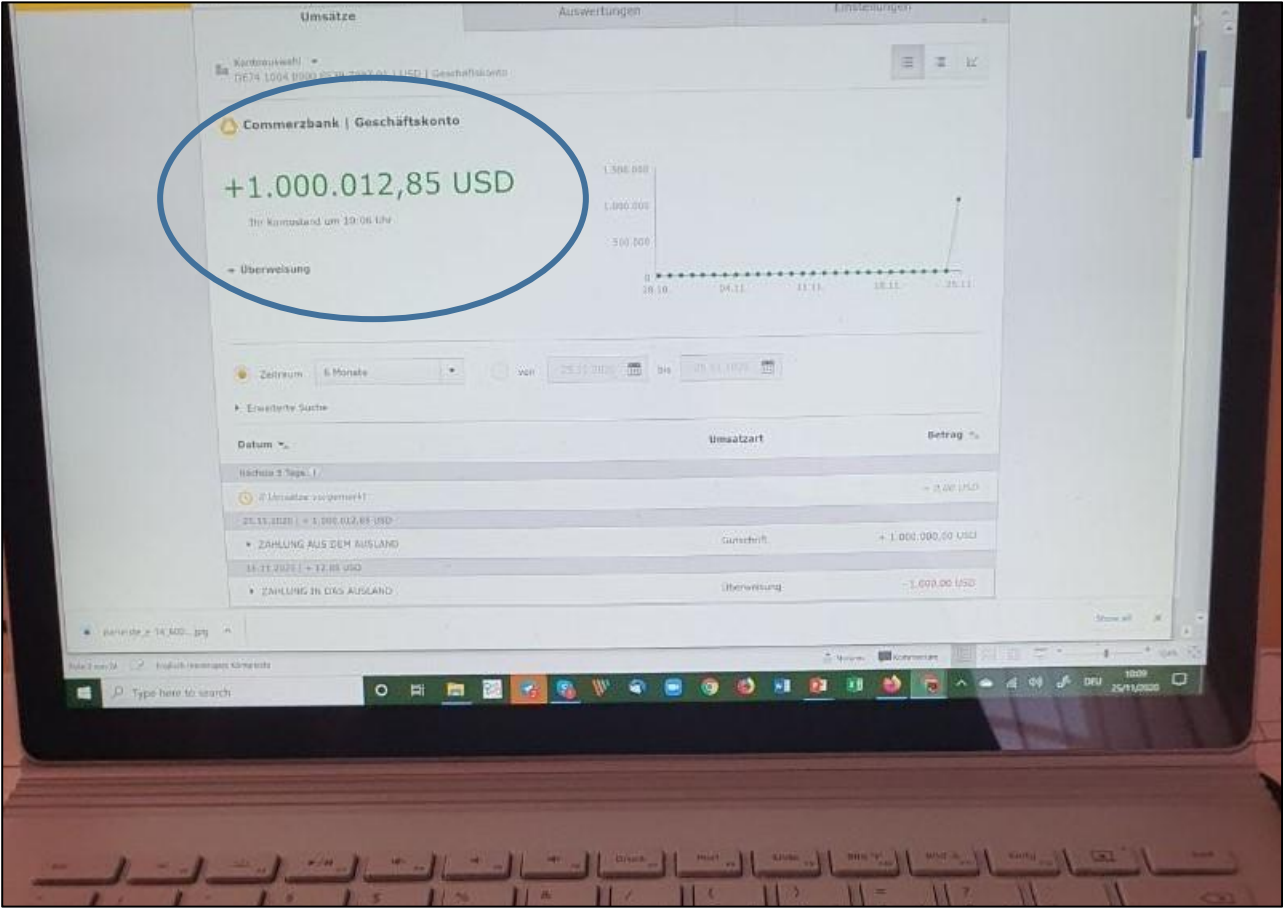
Among the most entrepreneurial countries in the world — out of 141 countries, Ukraine is in the top 4% in growth of innovative companies

The Ingredients



№ 1 among later-stage emerging markets when assessing innovation output and performance relative to innovation inputs

The Ingredients



Academic Startups

E Ink founded by MIT researchers in 1997.

Low-power displays generate images by manipulating microparticles using electric fields.

Used in e-readers like Kindle and Nook.



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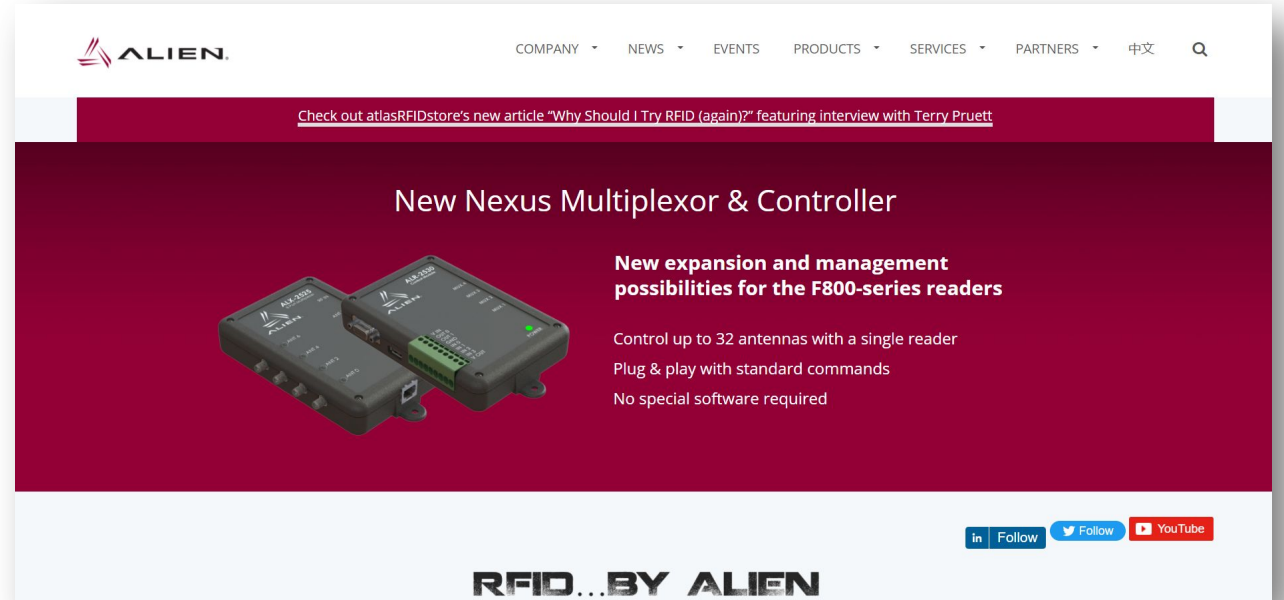


Academic Startups

Alien Technology founded by U.C. Berkeley researchers in 1994.

Fluidic self-assembly process for high-speed manufacturing of RF identification (RFID) chips.

Leading manufacturer of RFID-based devices, including with Walmart, Hewlett Packard, and the US Department of Defense.



ALYEN.

COMPANY NEWS EVENTS PRODUCTS SERVICES PARTNERS 中文

Check out atlasRFIDstore's new article "Why Should I Try RFID (again)?" featuring interview with Terry Pruett

New Nexus Multiplexor & Controller

New expansion and management possibilities for the F800-series readers

- Control up to 32 antennas with a single reader
- Plug & play with standard commands
- No special software required

in Follow Follow YouTube

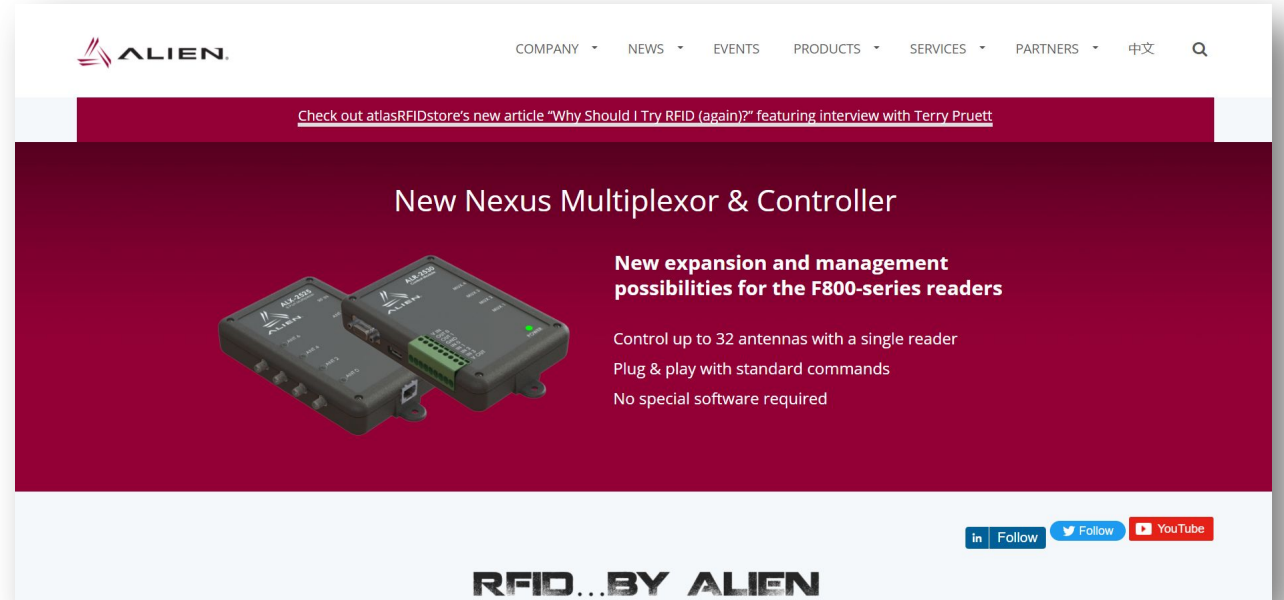
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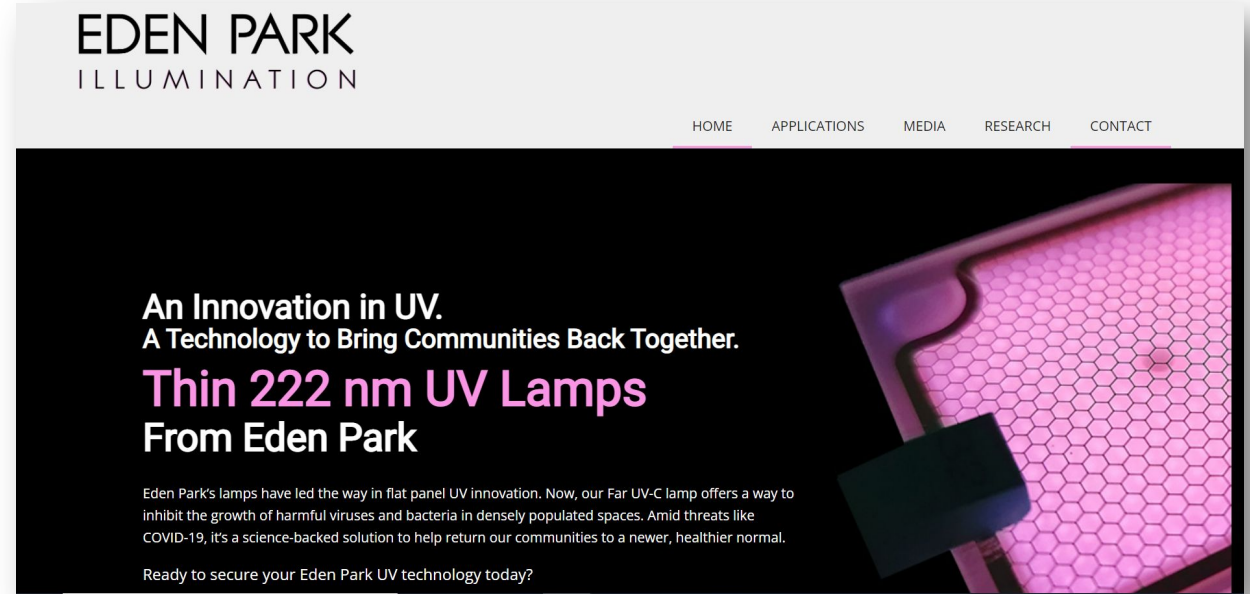
RFID...BY ALIEN

Academic Startups

Eden Park Illumination founded by researchers at the University of Illinois at Urbana-Champaign in 2007.

UV lamps produce 222 nm radiation that reduces pathogens but is safe for human exposure.

Pandemic spurred their installation in retail and dining spaces.



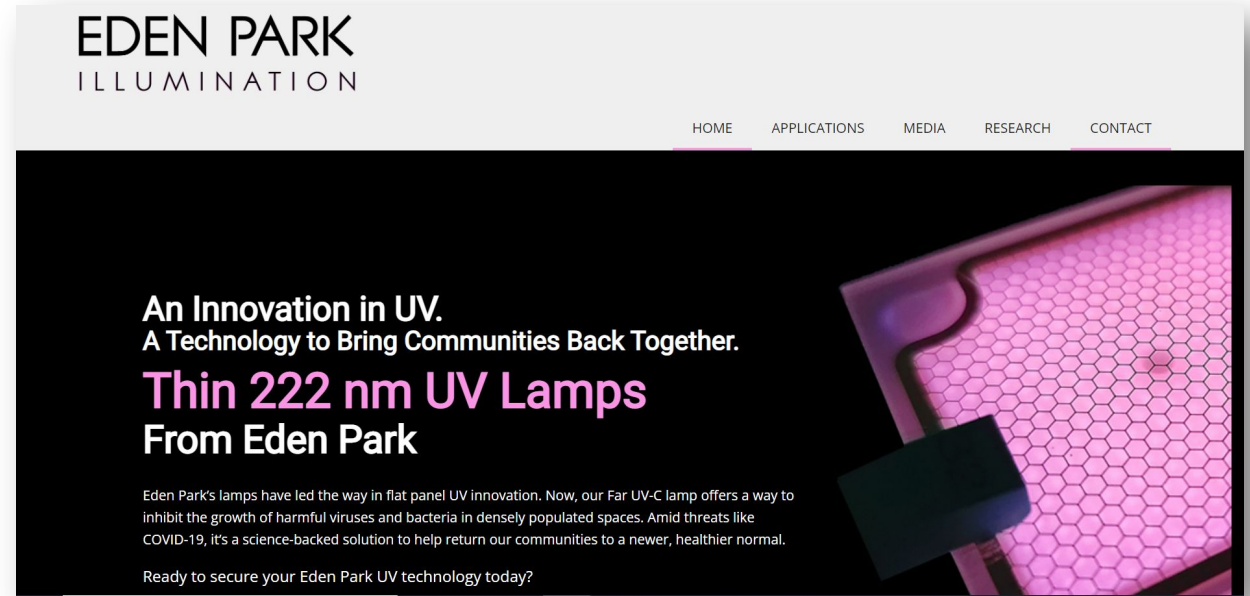
The image shows a screenshot of the Eden Park Illumination website. The header features the company name "EDEN PARK ILLUMINATION" in a clean, sans-serif font. To the right of the header is a navigation menu with links for "HOME", "APPLICATIONS", "MEDIA", "RESEARCH", and "CONTACT". The main content area has a dark background with a glowing, hexagonal pattern on the right side, resembling a UV lamp panel. The text on the page reads: "An Innovation in UV. A Technology to Bring Communities Back Together. Thin 222 nm UV Lamps From Eden Park". Below this, there is a paragraph of smaller text: "Eden Park's lamps have led the way in flat panel UV innovation. Now, our Far UV-C lamp offers a way to inhibit the growth of harmful viruses and bacteria in densely populated spaces. Amid threats like COVID-19, it's a science-backed solution to help return our communities to a newer, healthier normal." At the bottom, there is a call to action: "Ready to secure your Eden Park UV technology today?"

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Key focus on patient care and reha-bilitation, including cardiac devices, prosthetic limbs, and wearable sens-ing networks.

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Omnipulse – pneumatic actuators in VR game devices that create haptic feedback as an analog for what the user experiences.



Some Basic Tools



Some Basic Tools (2023-24)



Caretech Human, Djooky and V-Art
Winners, DeepTech Scale-Up
Seeds of Bravery & EIC



Amsets
Winner and Best Infrastructure Project
Kumekathon by Solana Foundation

Google for Startups

BazalT
Winner



Zeeon in Top-3 Startups
UAIInvest Forum

Some Basic Tools (2023-24)

Rising UA Startups: Resilience Edition

CHECK THE REPORT AND SEE, WHO ENTERED
THE HALL OF FAME AND RISING STARS LIST



Supported by



Ministry
of Digital Transformation
of Ukraine

12 eō Graduates
in
TOP-100 UA RISING STARS LIST



A.D.A.M.
3rd Place
World Cup Finals
in San Francisco



Mosqitter in TechStars San Diego



Noty.ai
Among Top-10
Portugal-based Startups

Some Basic Tools (2023-24)



V-Art
Best Web3 Startup
EUROPAS Awards 2023



Falcons
3rd place, IT Arena 2023



MELT WATER CLUB
Among Ukrainian innovations
Showcased to David
Cameron



Event



CASES
Invited to Serpneva Conference
by Ukraine's Ministry of Science
and Education



MELT WATER CLUB
Winner, Science & Business
GIST Pitch Days



Dovkolo Club
#1 Unicorn Finalist

Some Basic Tools

**1st prize, U Tomorrow Summit
Startup Competition 2021**

\$78,000 in funding



**Winner, Best Early-Stage
Startup in Ukraine 2020**

Ukrainian Innovation
Awards 2020



**5/10 Finalists
and 1st, 2nd, 3rd Place
Winners**

Lviv IT Arena 2021 Startup
Competition



**The Best Fintech Startup
2020**

Ukrainian Fintech
Organization



**National Winner, Energy
Globe Award 2021**

Winner among 2000 projects
submitted from 170 nations



**Winner, National Startup
Competition**

Ukrainian Fintech Conference
2019



Some Basic Tools

Winner at Tech Pitching Contest

2021 SelectUSA Investment Summit



Top 4 Finalist

Web Summit 2020
World's Largest Tech Conference



Winner, Dubai 2020 Expo Competition

\$100,000 grant, among 450,000+ participants from 150+ countries



Awarded IMPACT EdTech Incubation Program 2020

\$100,000 grant



Awarded Global GIST Incubation Program 2019

Sponsored by
U.S. State Department



Some Basic Tools



since November 2019



51% of startups from eō



Ukraine Phoenix Tech Fund



Building Academic Startups



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