Relentless Adaptation:

4 Technologies Changing the Future (& Lessons to Survive)

@ambermac
#locongress

Smartphone Revolution

IoT Revolution

AVERAGE HOUSEHOLD WITH TWO TEENAGE CHILDREN WILL OWN ROUGHLY 50 INTERNET CONNECTED DEVICES BY 2022

26 BILLION DEVICES WILL BE CONNECTED TO THE INTERNET BY 2020

ORGANIZATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT

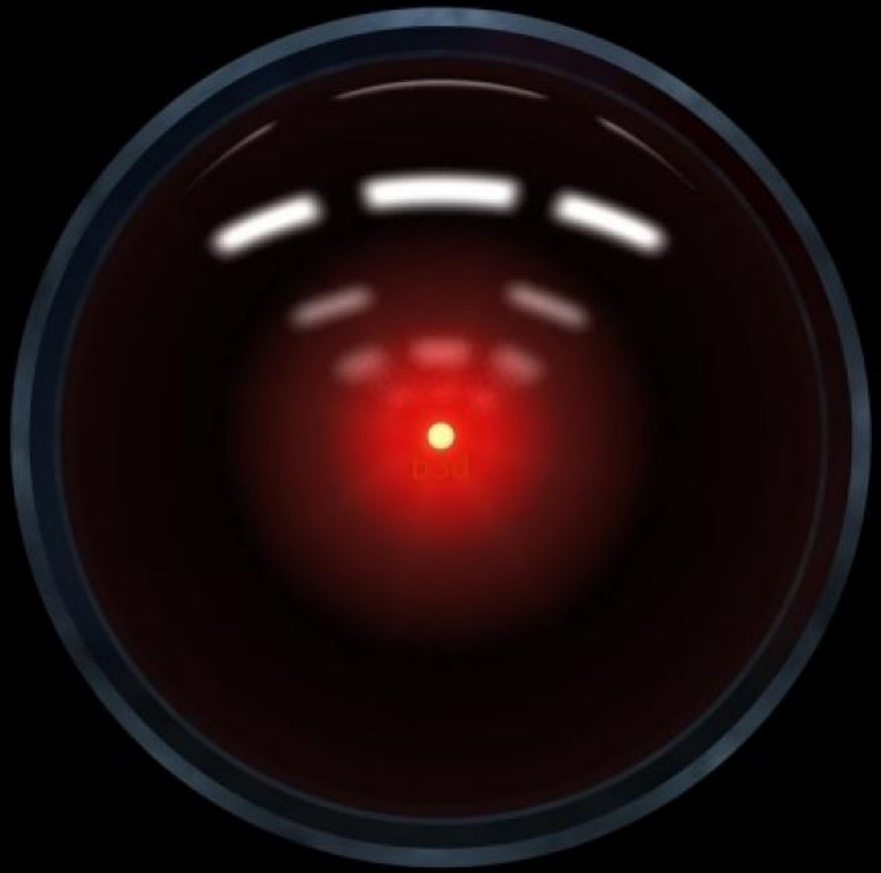
AI Revolution

$36.8 BILLION IN 2025

FROM $643.7 MILLION IN 2016

-Tactic

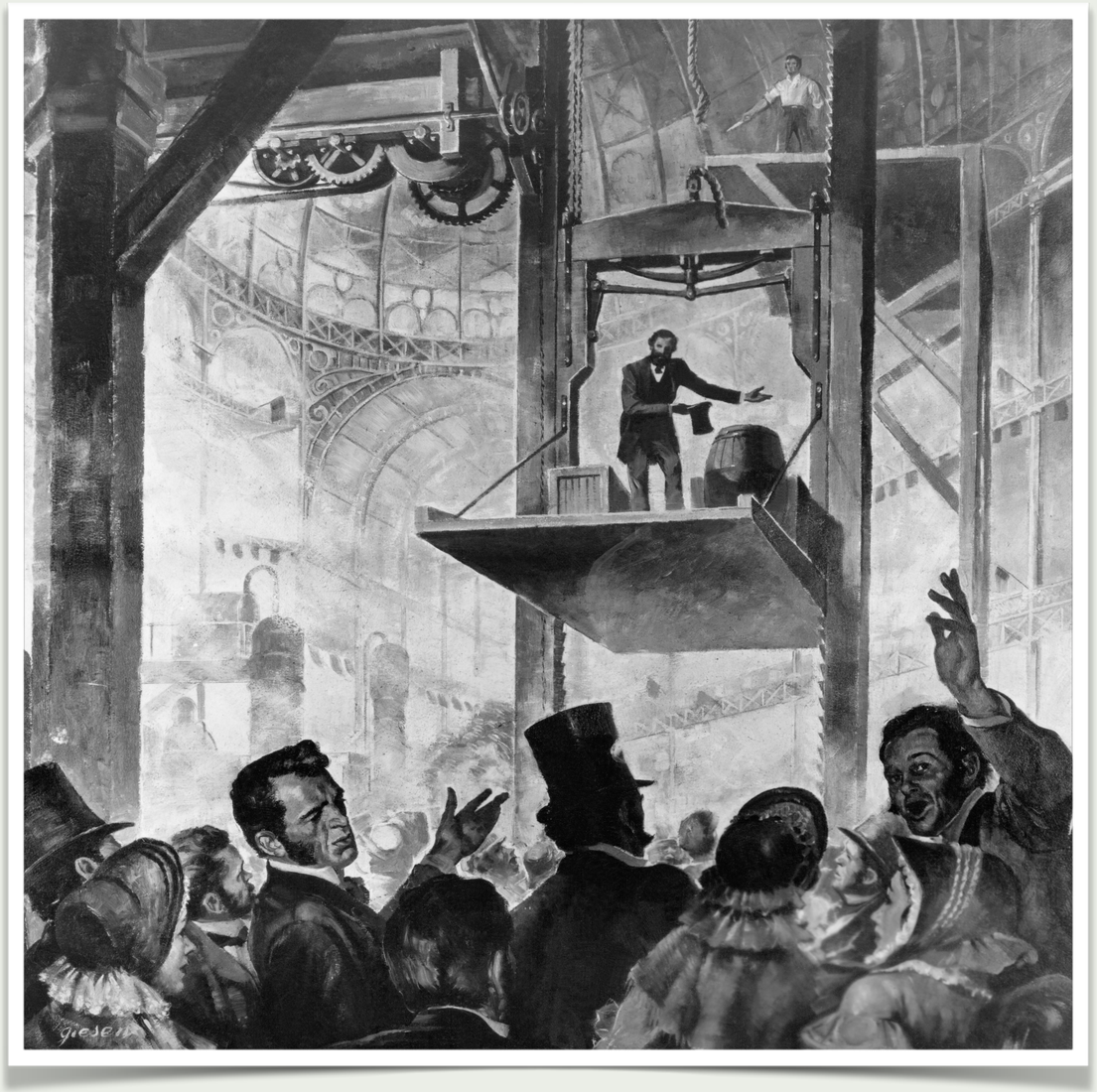
"No matter what you call it - machine learning, deep learning, or cognitive computing - AI is the biggest opportunity in business since mobile."
- Fast Company



Elon Musk on Superintelligent Robots: We'll Be Lucky If They Enslave Us as Pets

LAST WEEK TONIGHT

WITH JOHN OLIVER



1857 - World's first passenger elevator

1900 - The automatic elevator was invented, but it took more than 50 years before the public became comfortable and automatic elevators became ubiquitous.
- NPR

Change has never happened this fast before, and it will never be this slow again. - Graeme Wood

4 Technologies Changing the Future (& Lessons to Survive)

I. Voice Tech: Communication

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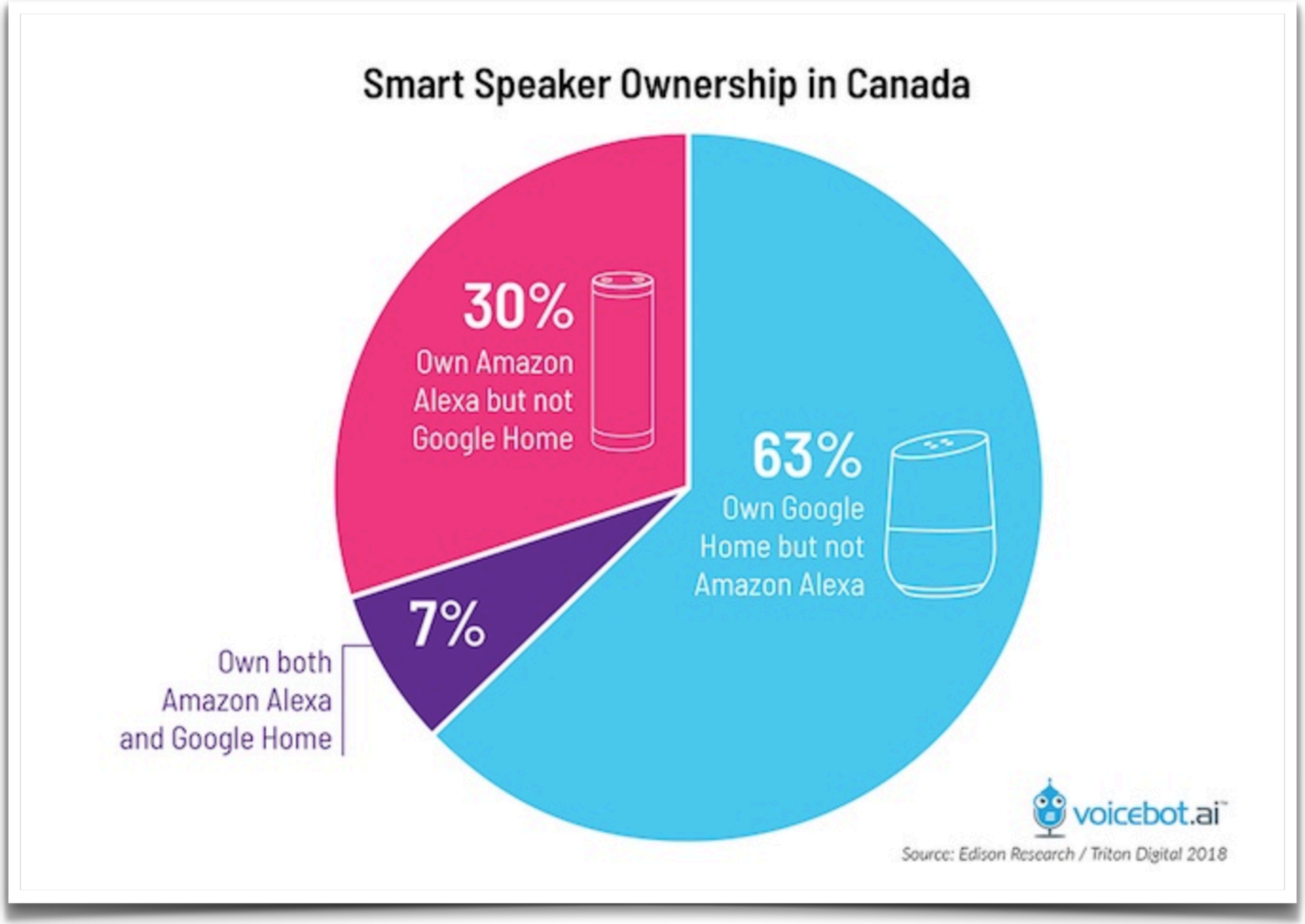
50% of all searches will be voice searches by 2020

- COMSCORE



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Las Vegas City Skills with Amazon Alexa

Las Vegas has 9 skillsets, including information about:

Parks
Elections
Community Calendar
Status of Building Permits

"We really wanted to find new ways to reach the population, reach people who may not have a computer but use Amazon and can afford a $50 Dot, the small Alexa device
-Michael Sherwood, Las Vegas' IT Director

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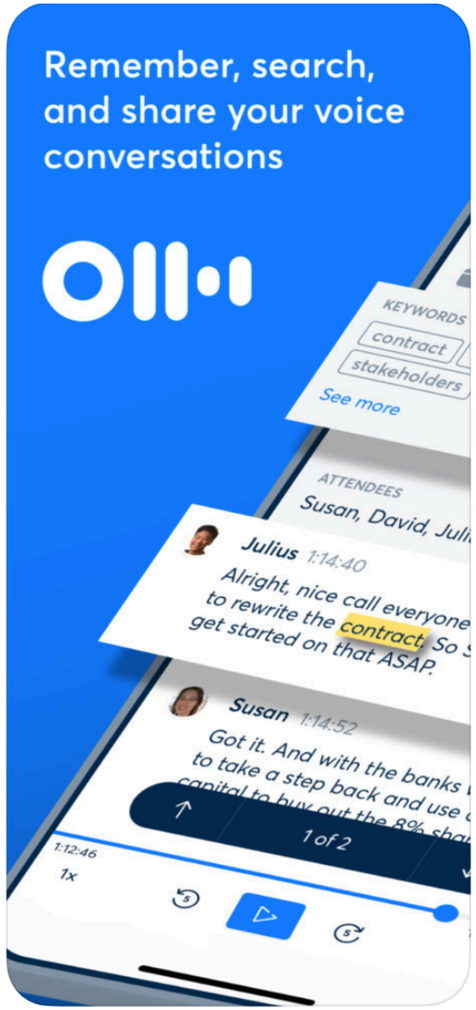
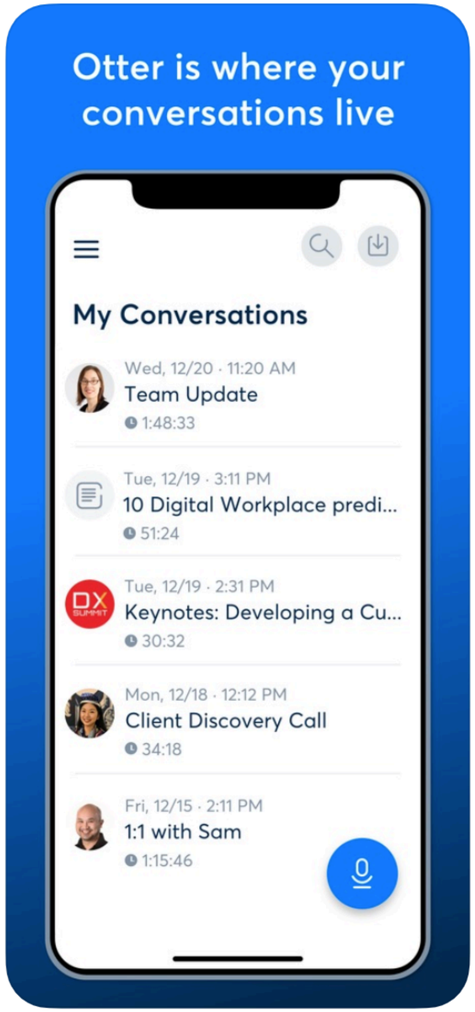
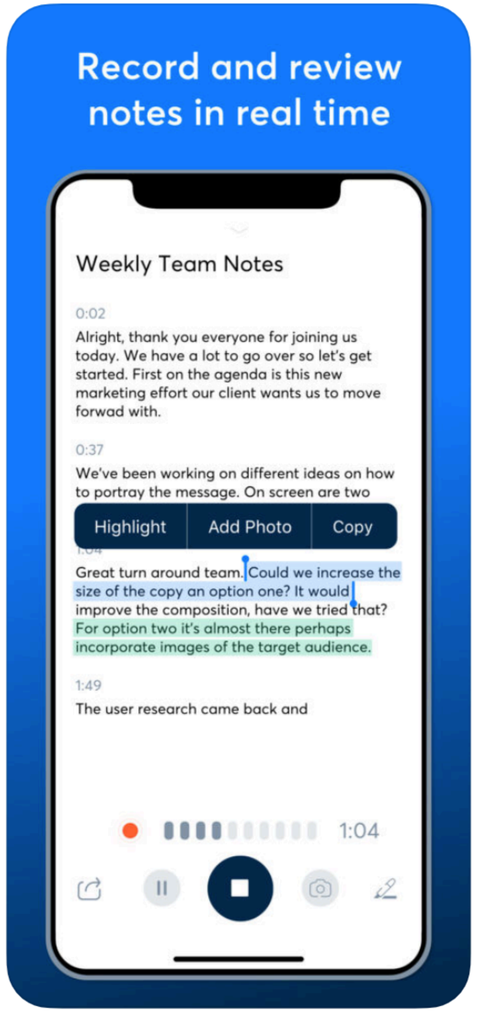
Otter.ai







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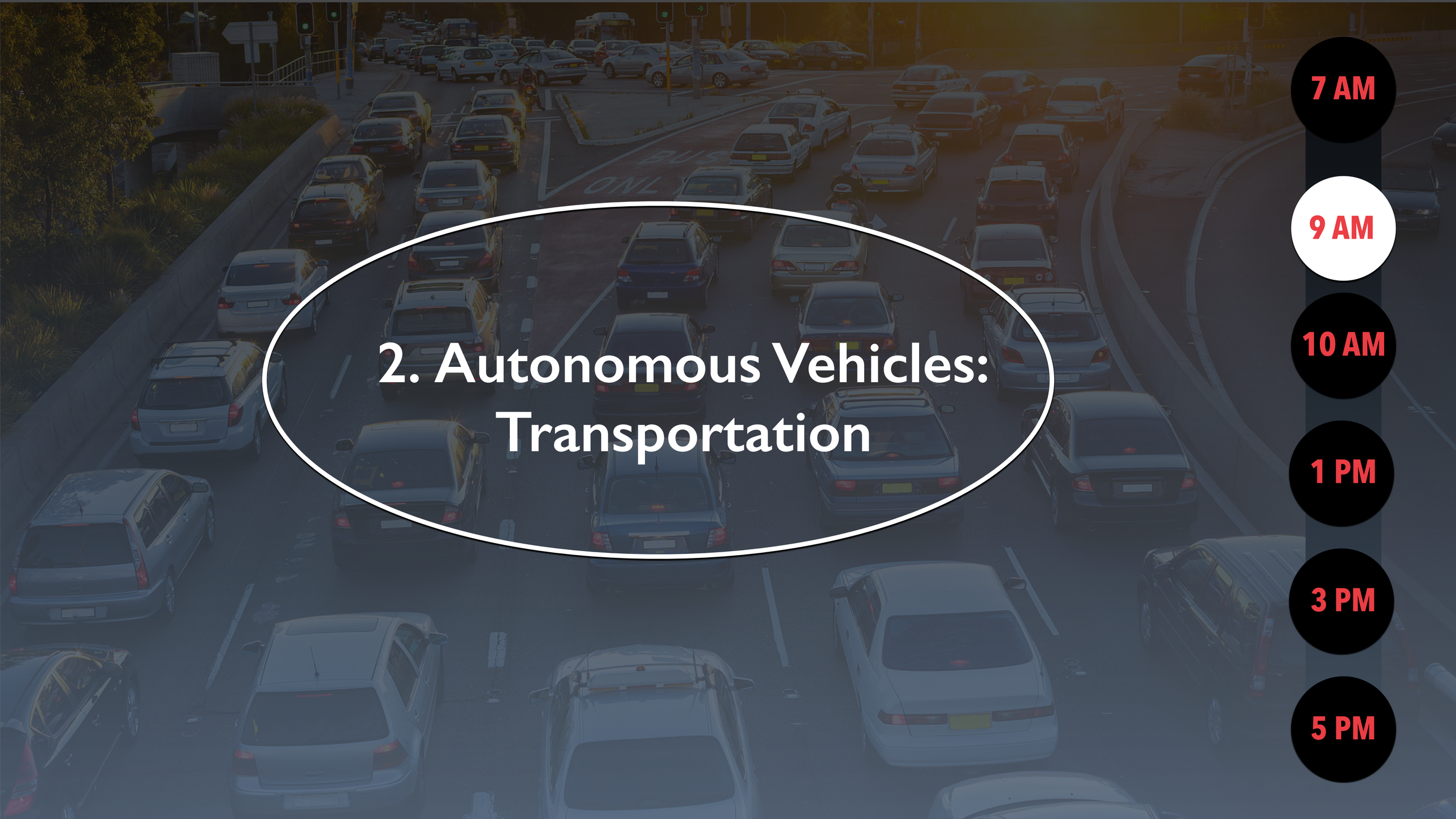
1. Plan for voice revolution



2. Autonomous Vehicles: Transportation

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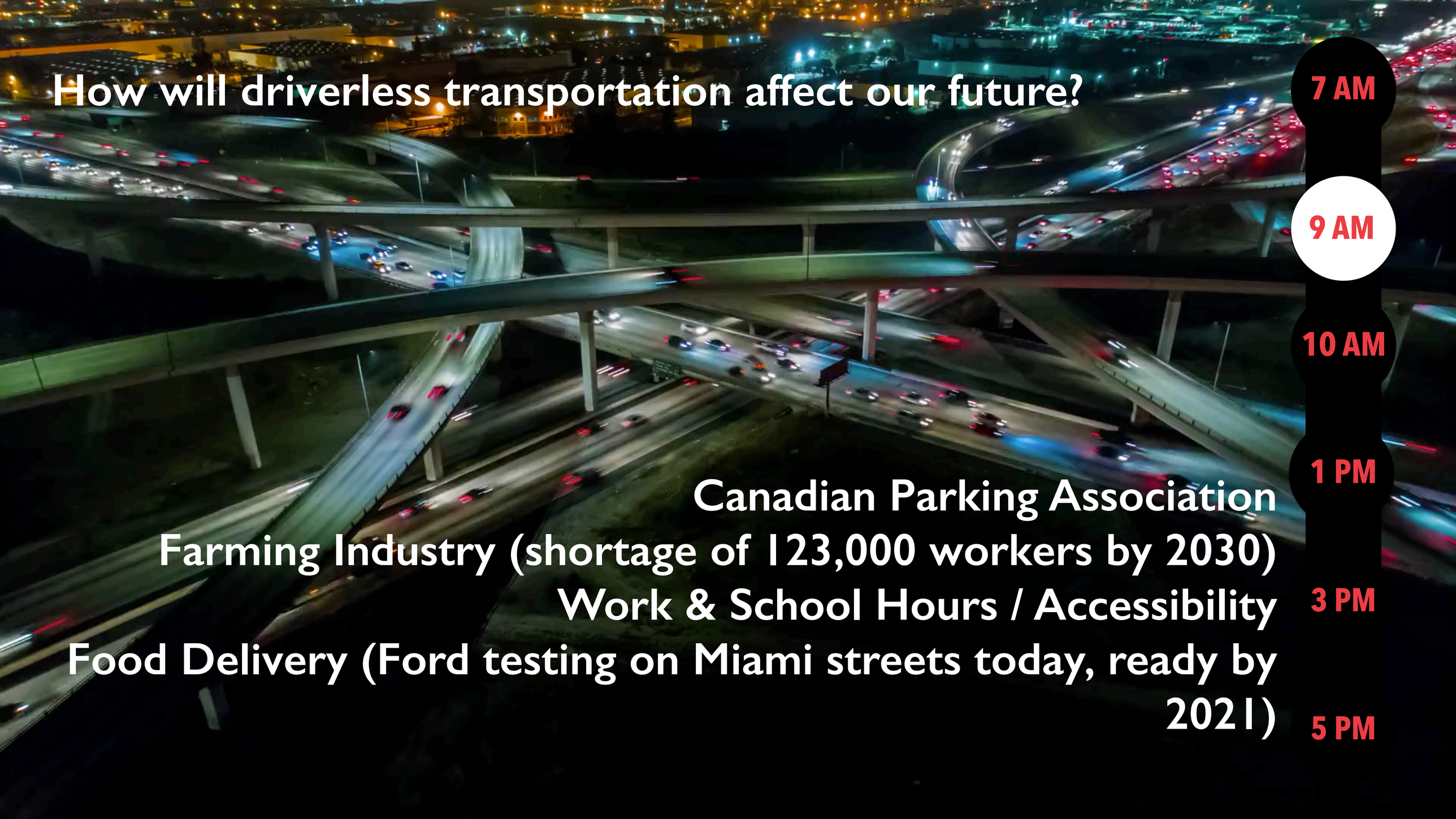
How will driverless transportation affect our future?
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Canadian Parking Association
Farming Industry (shortage of 123,000 workers by 2030)
Work & School Hours / Accessibility
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Food Delivery (Ford testing on Miami streets today, ready by 2021)
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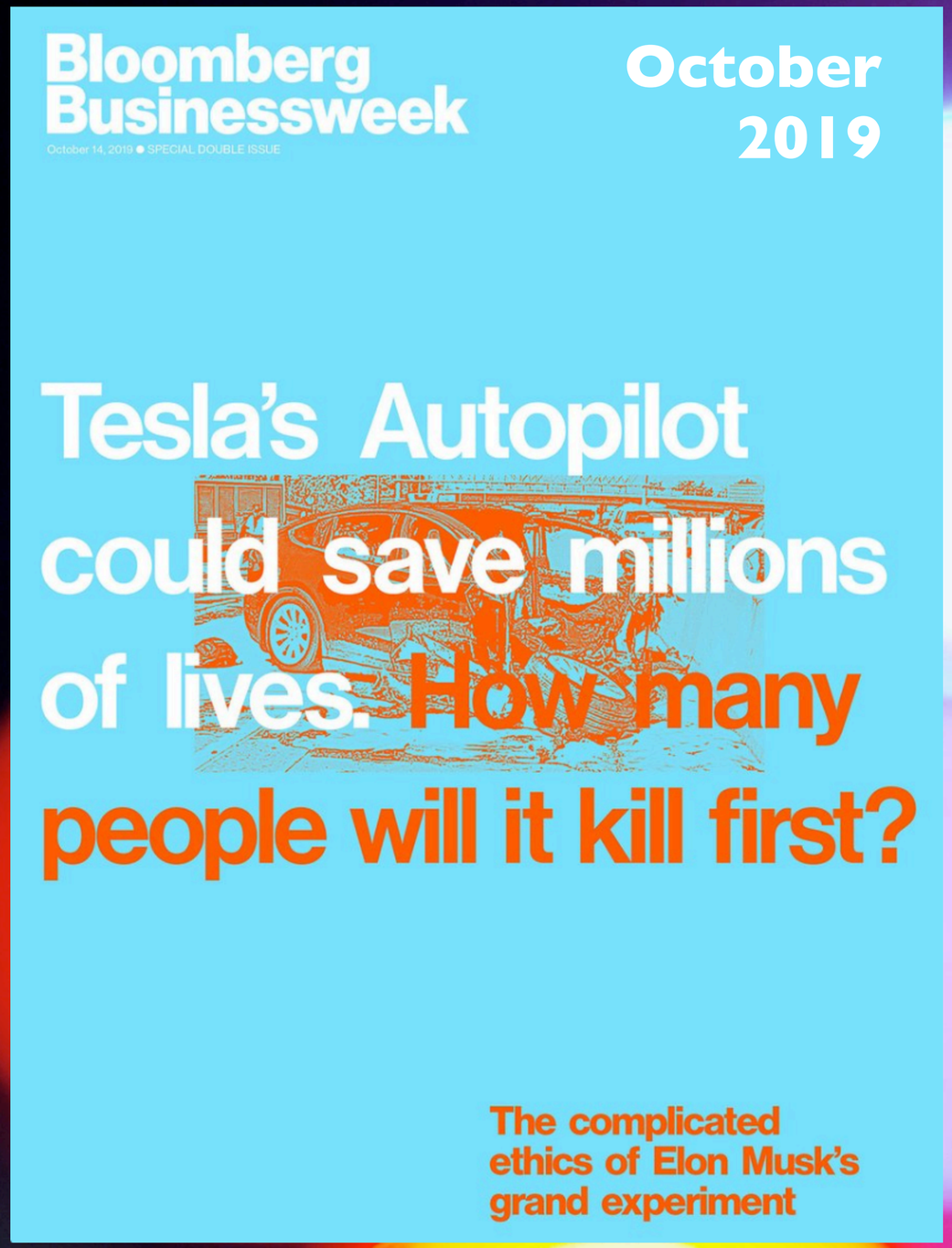

"Don't let the perfect be the enemy of the good." - Voltaire

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Volvo Cars Goes for Blockchain Tech to Avoid Unethical Cobalt - Nov, 2019

2. Find courage to lead

3. Synthetic Content: Information

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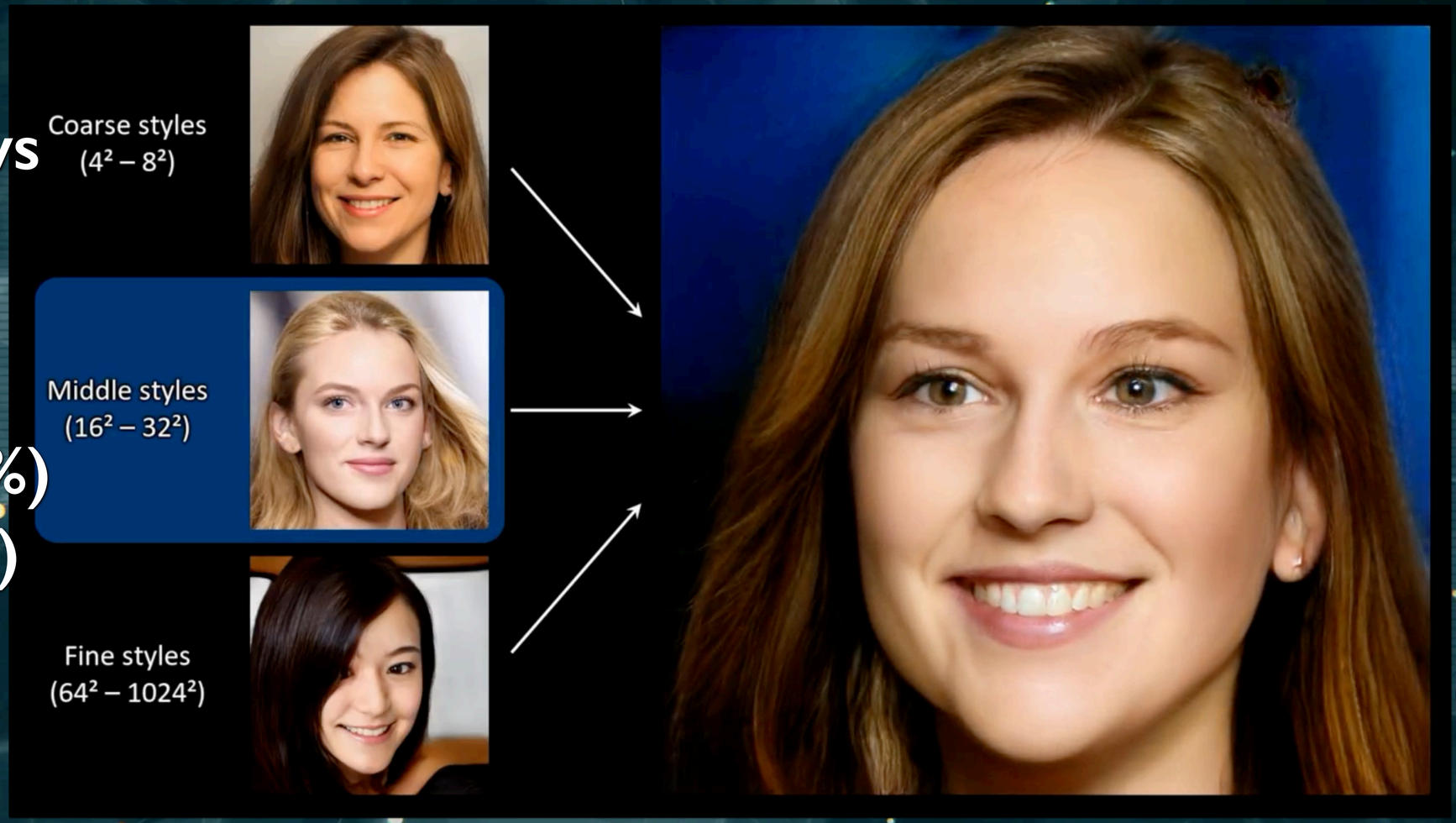
Two primary sources of news for young people ages 18-32:
Instagram (29%)
YouTube (22%)

-Jack Myers Knowledge 2018



These faces are not real

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Old & new tech, including AI face-swapping tool FakeApp

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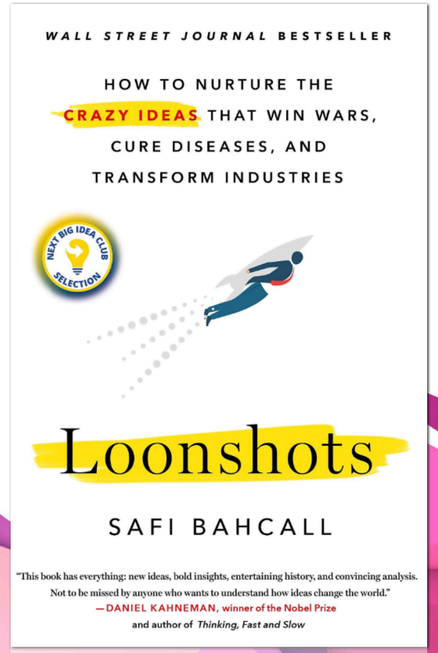
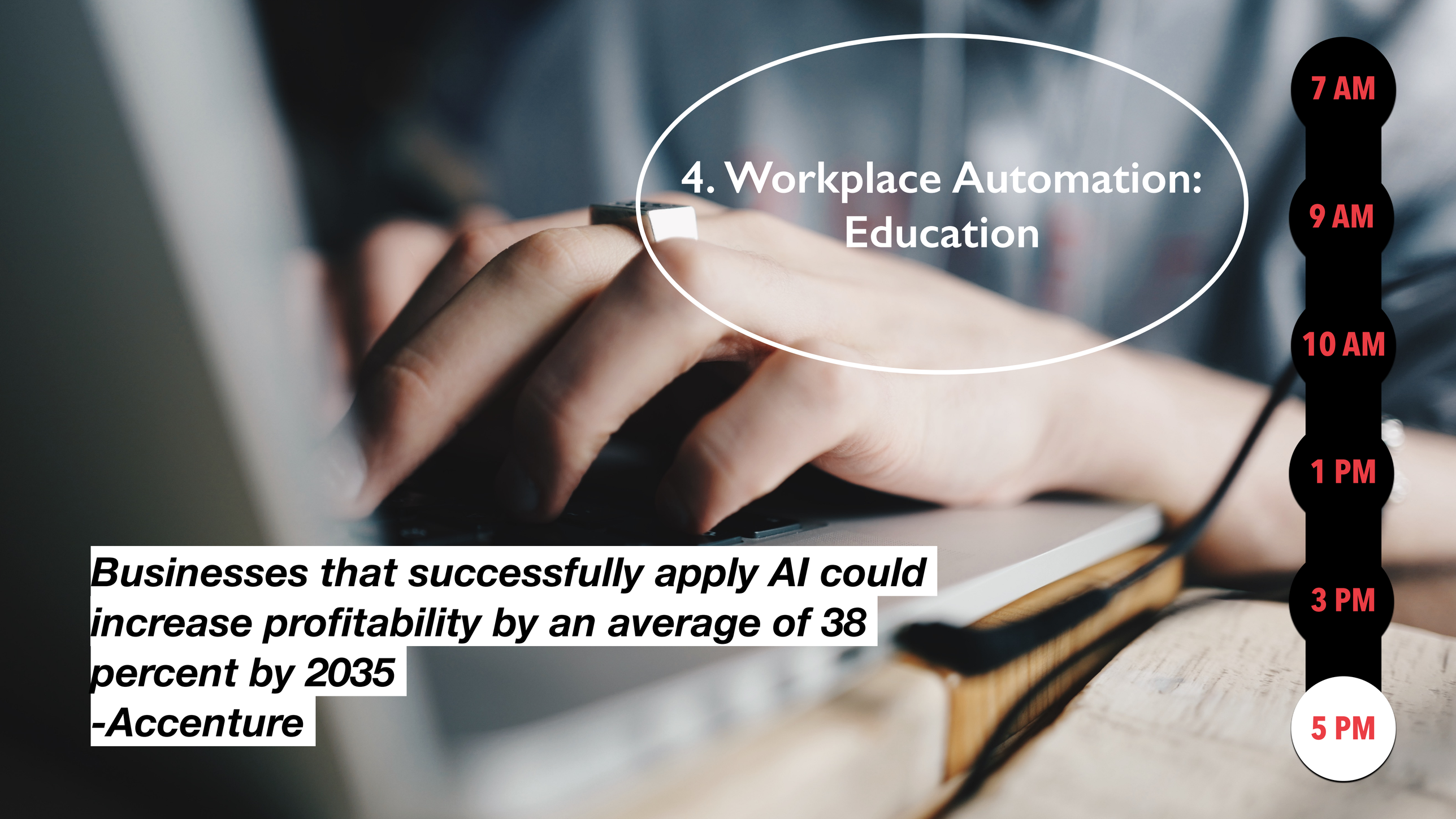
3. Stay open to crazy ideas





4. Workplace Automation: Education

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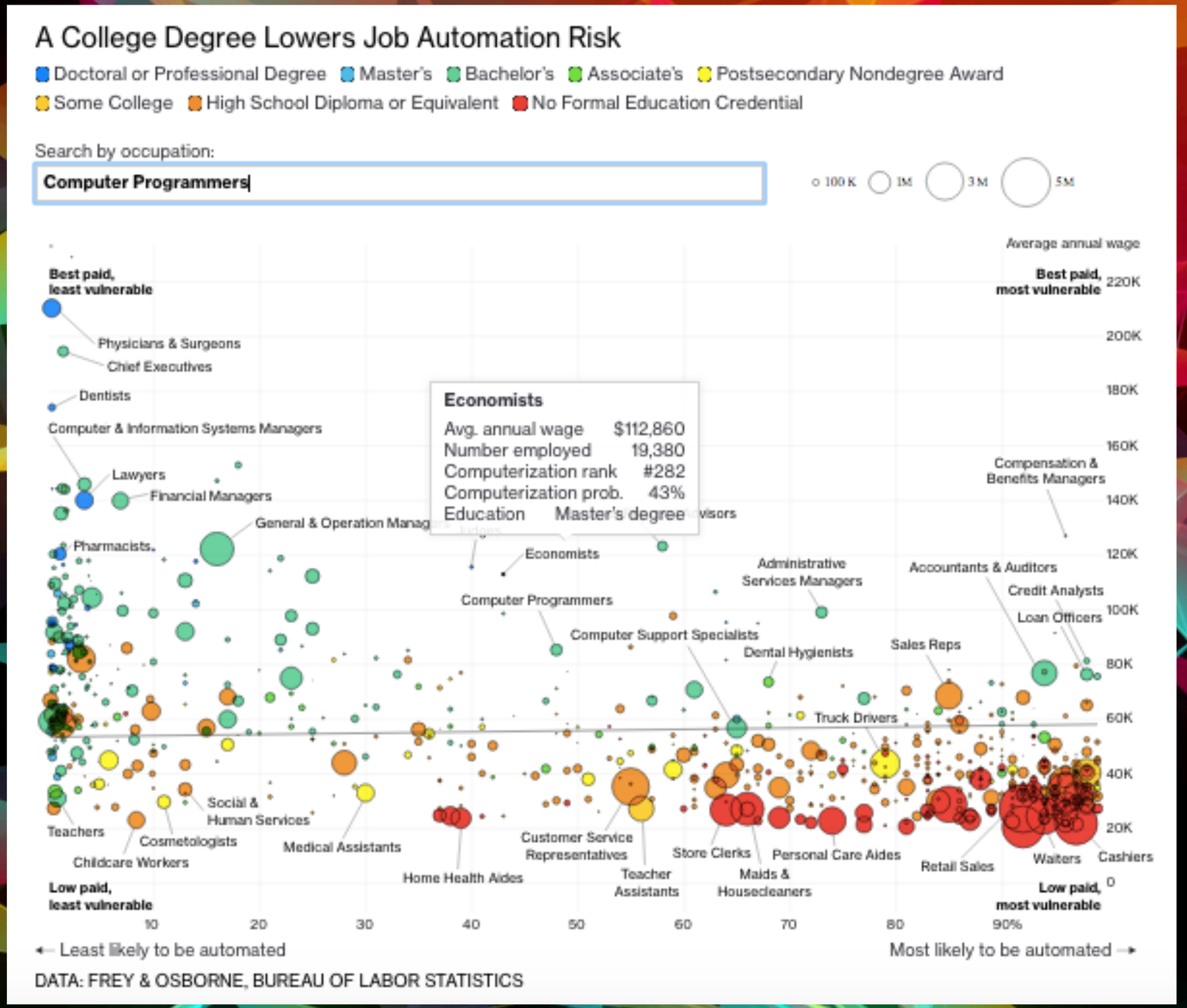
Businesses that successfully apply AI could increase profitability by an average of 38 percent by 2035
-Accenture

Nearly 50% of jobs are at risk of changing in the coming decades.
-Bloomberg



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2022 Skills Outlook

WORLD ECONOMIC FORUM

COMMITTED TO IMPROVING THE STATE OF THE WORLD

Growing

1. Analytical thinking and innovation
2. Active learning and learning strategies
3. Creativity, originality and initiative
4. Technology design and programming
5. Critical thinking and analysis
6. Complex problem-solving
7. Leadership and social influence
8. Emotional intelligence
9. Reasoning, problem-solving and ideation
10. Systems analysis and evaluation

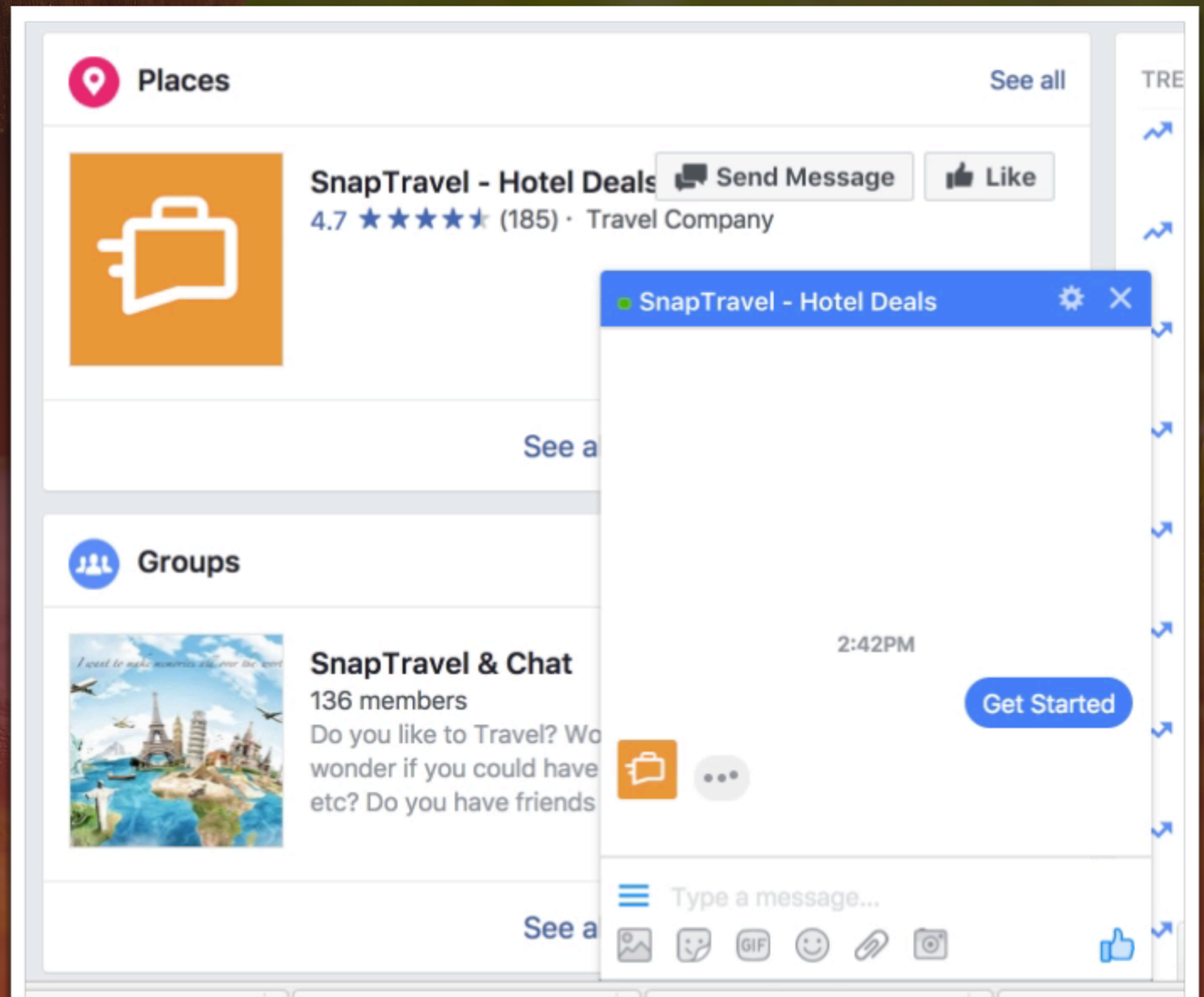
Declining

1. Manual dexterity, endurance and precision
2. Memory, verbal, auditory and spatial abilities
3. Management of financial, material resources
4. Technology installation and maintenance
5. Reading, writing, math and active listening
6. Management of personnel
7. Quality control and safety awareness
8. Coordination and time management
9. Visual, auditory and speech abilities
10. Technology use, monitoring and control

Customer Service

AI bots will power 85% of all customer service interaction by 2020.
-Forbes

Chatbots will save banks $7.3B by 2023
-Juniper Research



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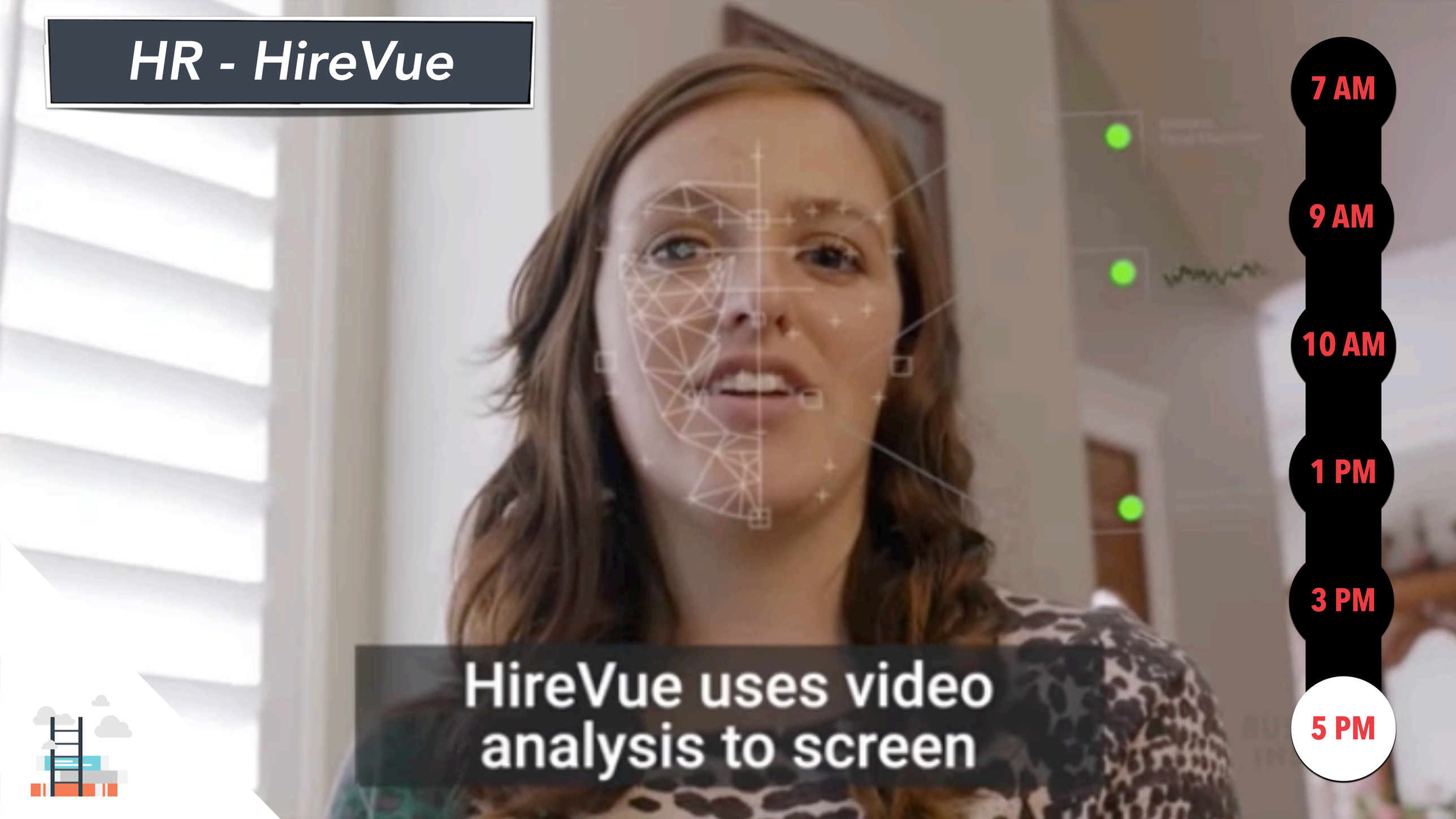
HR - HireVue



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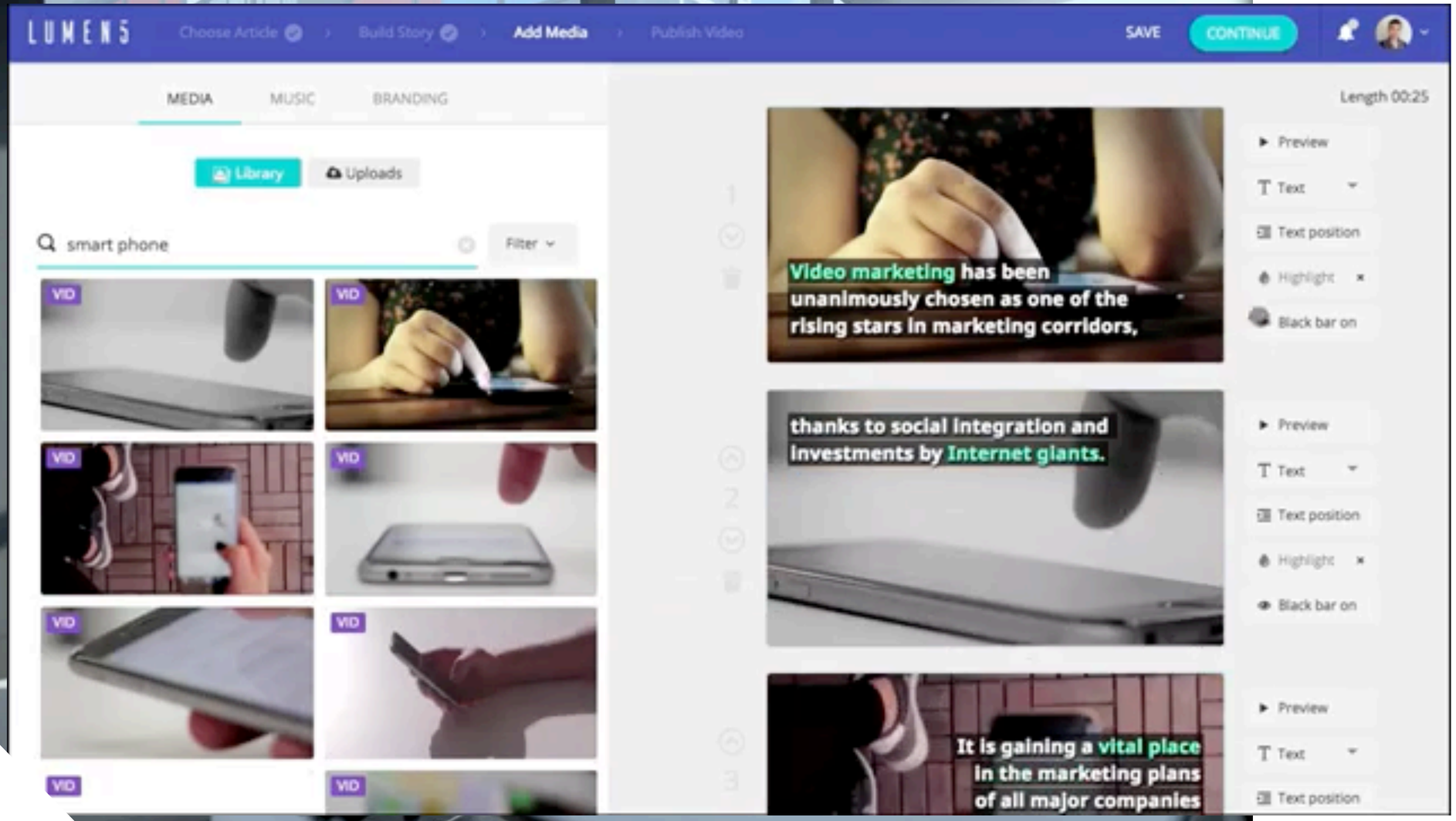
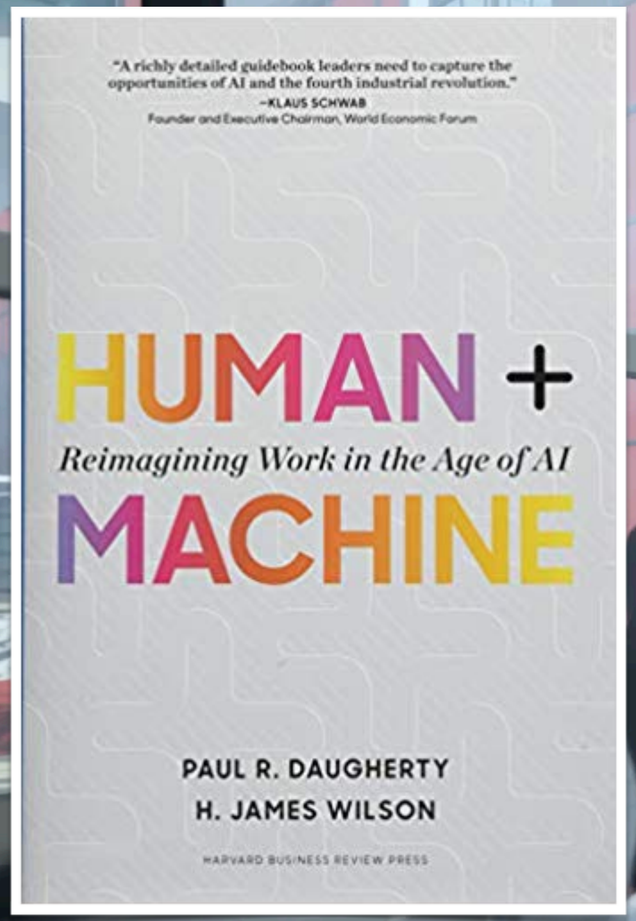
Marketing Opportunities - Lumen5





Books:
Human + Machine

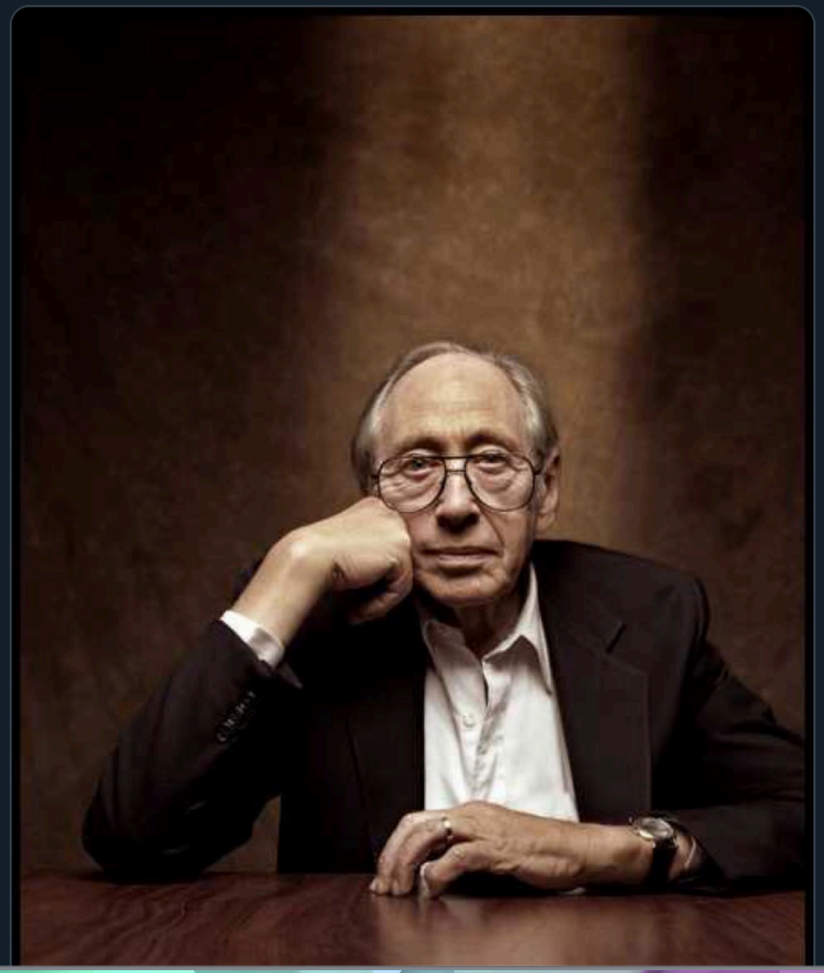
Podcasts:
The AI Effect

You Retweeted

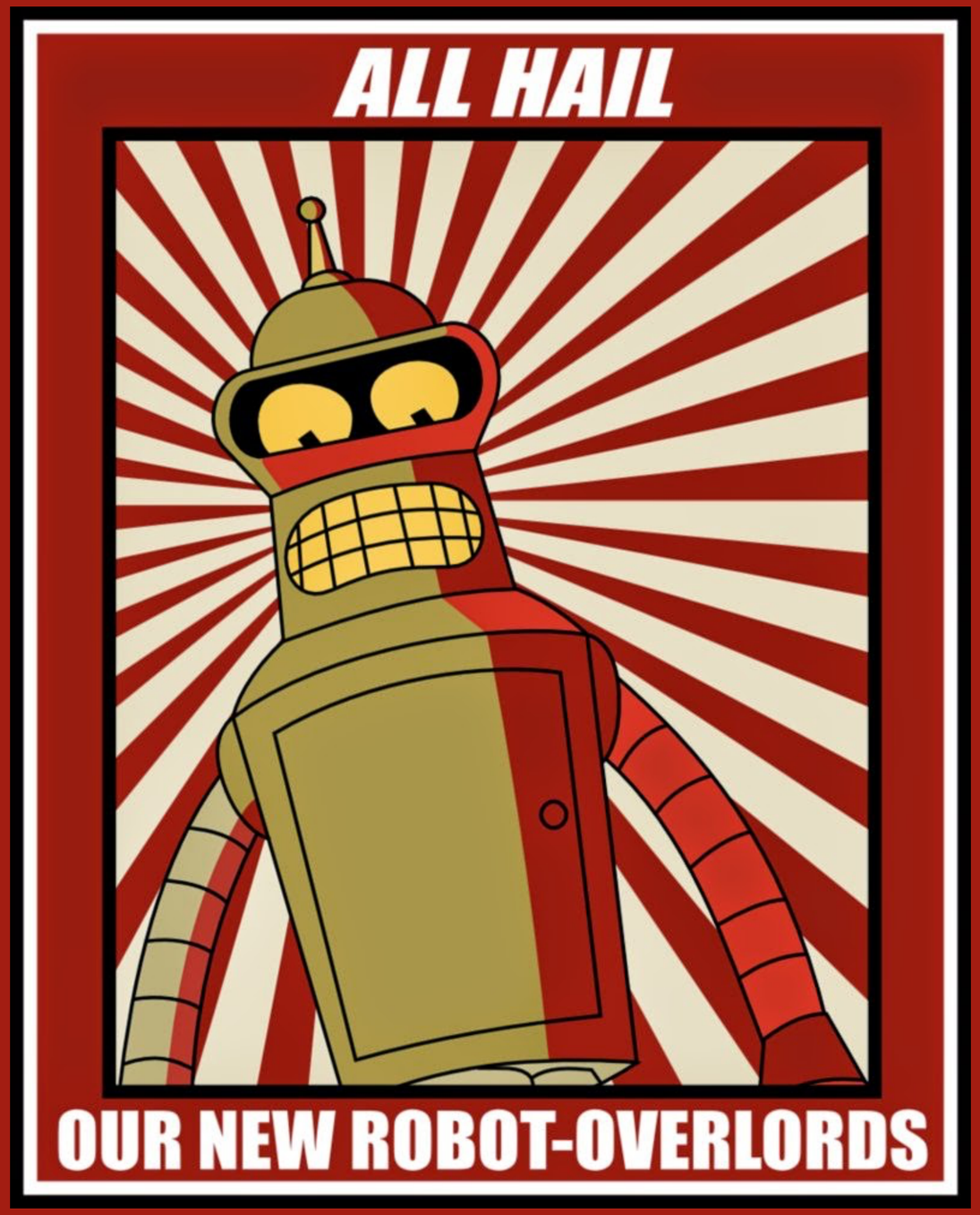
Vala Afshar
@ValaAfshar

The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn, and relearn.

—Alvin Toffler #DF19



4. Rethink the future of learning



ARE YOU READY?

Plan for voice revolution

Find courage to lead

Stay open to crazy ideas

Rethink the future of learning

The Future

"If everything seems under control, you're just not going fast enough." - Mario Andretti, world champion racing driver

St. Peter's Square

THANK YOU!