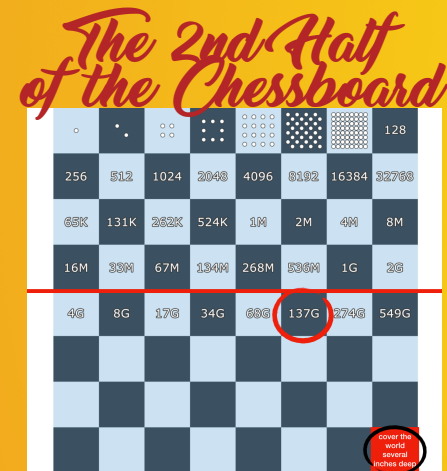


"ANY SUFFICIENTLY ADVANCED TECHNOLOGY IS INDISTINGUISHABLE FROM MAGIC."

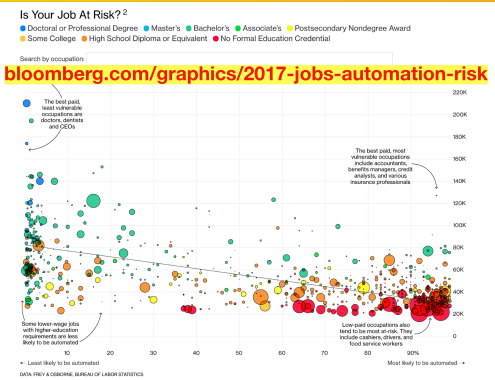
IN THE YEAR  
2030...



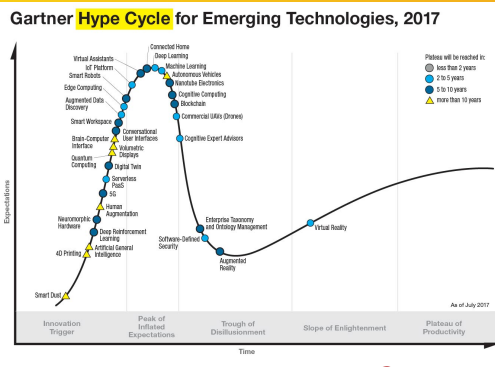
The future's already here;  
it's just not evenly distributed.  
Let's look into \*and invite participants to  
play\* while exploring the next generation of  
tech for the next generation of kids!

**WHEN:** *Wednesday 11am – 1pm*  
**WHERE:** *Posters; Level 3, Skyline Ballroom Pre-function, Table 41*

*The Future is Here:  
Flying Cars  
Industry Automation  
and Education*



*Industry Automation*



*Gartner's Hype Cycle*

Ginger Lewman  
@GingerLewman  
[www.GingerLewman.org](http://www.GingerLewman.org)

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Our learners. Their future.



*Step right up and  
win yourself a prize!*

**[bit.ly/2KwqcIn](https://bit.ly/2KwqcIn)**





**@GingerLewman**

# *Ginger Lewman*

**Project Based Learning  
Maker Education  
+ more**



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## Frankfurt Motor Show 2017: VW Group shows off autonomous technology, outlines EV product expansion at pre-Frankfurt event

“fully autonomous driving on public roads by 2021”



12 September 2017 | [Tim Urquhart, B.A.](#)

*The VW Group is looking to show the world that it is moving on from the diesel affair by becoming a world leader in autonomous driving and electromobility.*



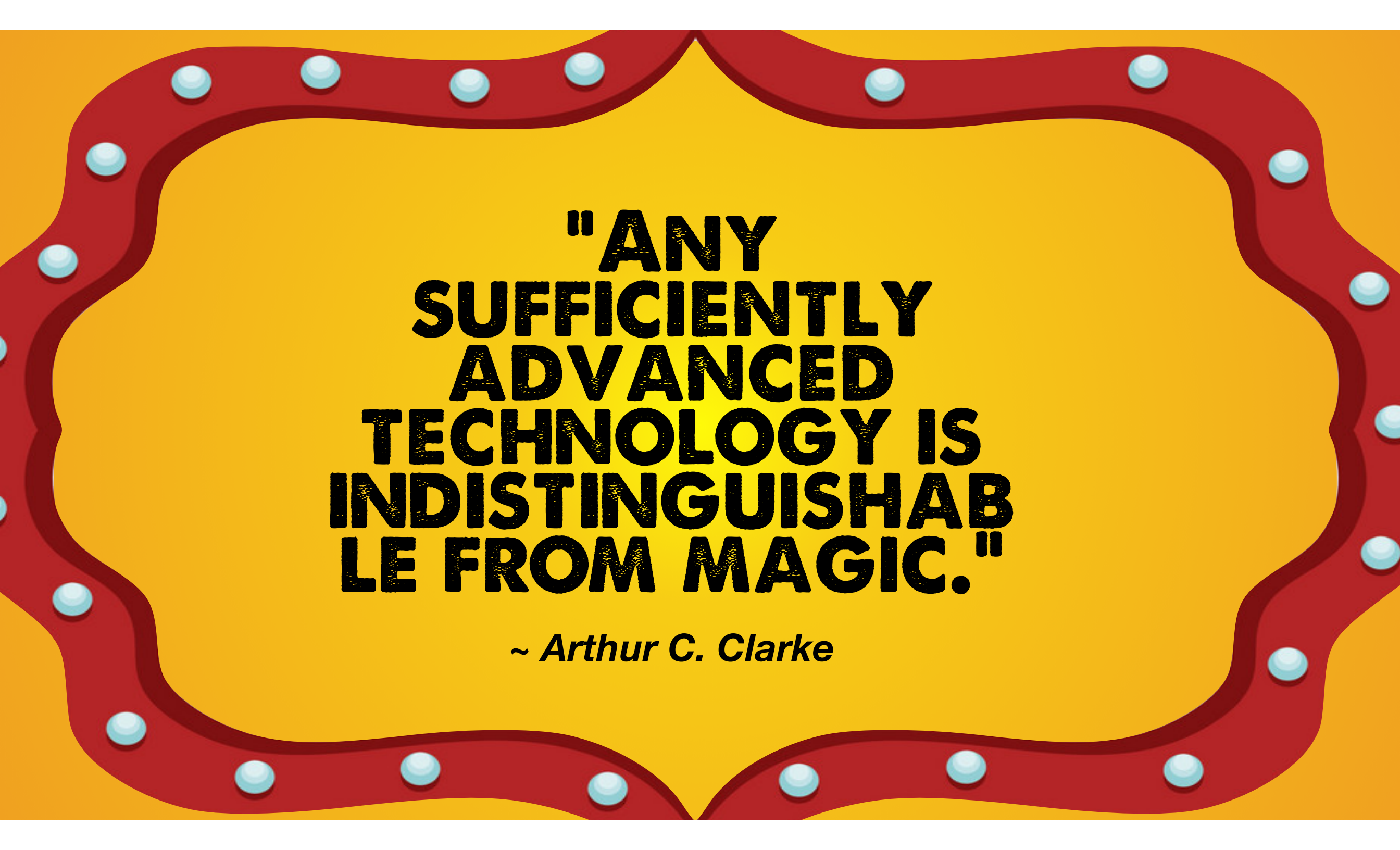
IHS Automotive estimates annual sales of autonomous, or self-driving, heavy-duty trucks could reach 60,000 annually by 2035.



**Self-driving trucks**

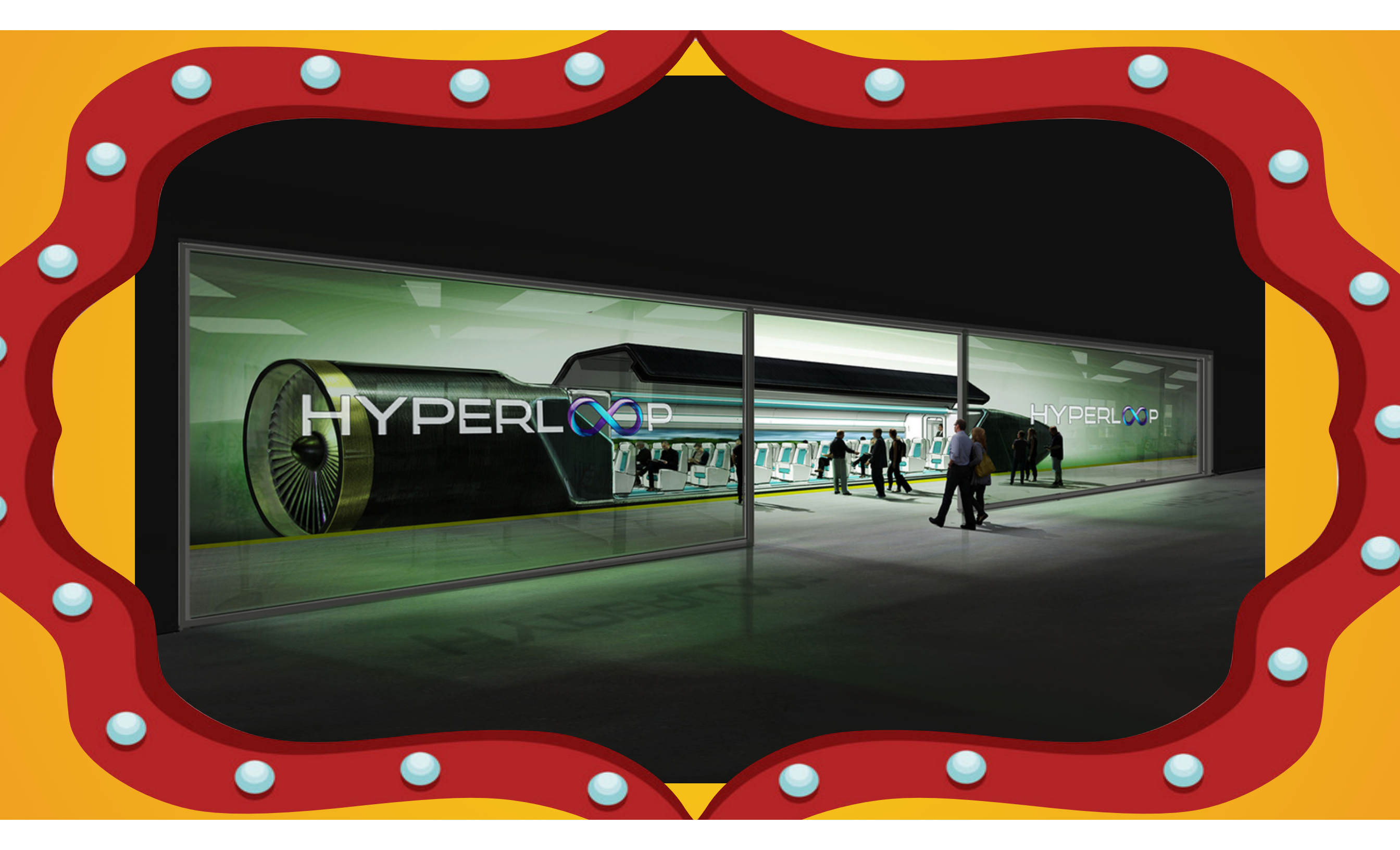
<https://www.trucks.com/2016/06/13/self-driving-truck-sales-forecast/>





**"ANY  
SUFFICIENTLY  
ADVANCED  
TECHNOLOGY IS  
INDISTINGUISHAB  
LE FROM MAGIC."**

*~ Arthur C. Clarke*







hyperloop|one





## US | CHEYENNE-DENVER-PUEBLO

TEAM: ROCKY MOUNTAIN HYPERLOOP

Total Length: 580 km



## US | CHICAGO-COLUMBUS-PITTSBURGH

TEAM: MIDWEST CONNECT

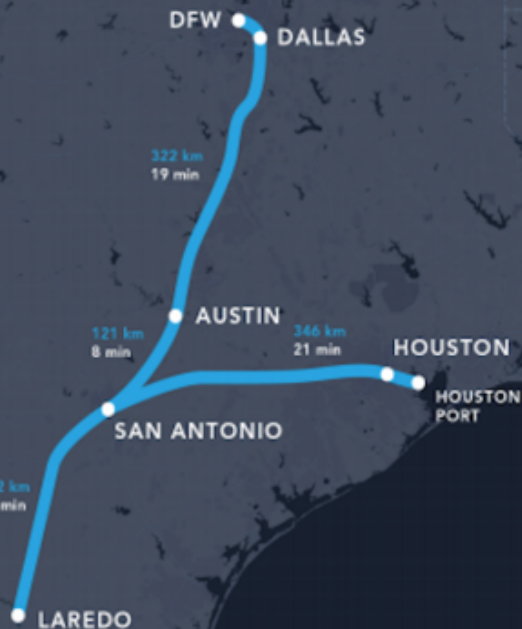
Total Length: 785 km Total Duration: 47 min



## US | DALLAS-LAREDO-HOUSTON

TEAM: TEXAS TRIANGLE

Total Length: 1030 km



## CANADA | TORONTO-MONTREAL

TEAM: HYPERCAN

Total Length: 640 km Total Duration: 39 min



<https://hyperloop-one.com/hyperloop-one-announces-10-winners-hyperloop-one-global-challenge>

hyperloop one

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hyperloop one



# *Dagri Smart Helmet*





**WHAT ARE OUR KIDS LEARNING NOW?**  
**AND WHAT WILL THEY NEED TO LEARN IN THE FUTURE?**





*Airbus was set to finish its first working prototype*  
***electric, self-piloted flying car***  
*by the end of 2017 with production set for 2020.*





Plastic  
Road



A REVOLUTION IN BUILDING ROADS



**3D BIOPRINTING OF  
HUMAN TISSUE**

**SMART PROBE/SCALPEL**

**WIDEBAND MEDICAL RADAR**

**TREATING STROKES  
WITH NANOBOTS**



# AMELIA

## Your Digital Colleague

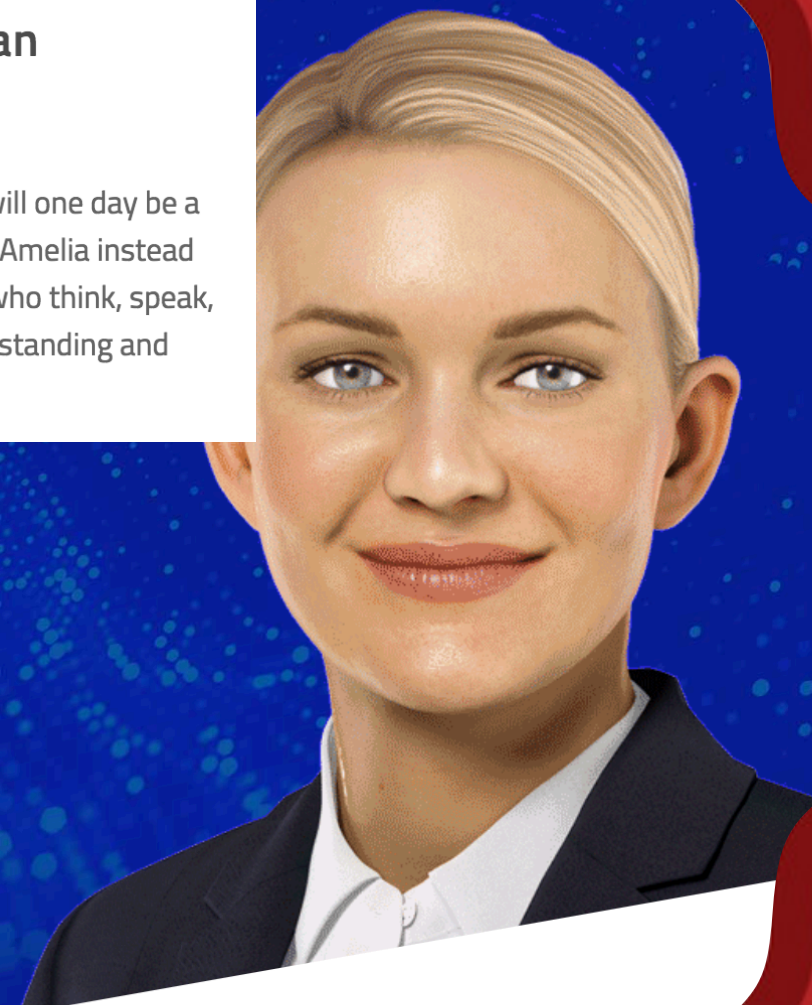
Amelia helps deliver business value, while also creating new lines of revenue and new customer experiences. She turns every customer-facing touchpoint into a more enjoyable experience.

the Science Behind Amelia

requently Asked Questions

Amelia can handle all of a company's service requests without the need for human intervention.

With platforms like Amelia, large-scale contact centers will one day be a thing of the past. So will static chatbots, for that matter. Amelia instead will provide companies with a host of digital colleagues who think, speak, and empathize like humans, who are also adept at understanding and communicating how a business works.





# **HOW WILL OUR CITIES, WORKPLACES AND TRANSPORT INFRASTRUCTURE**

**RESPOND TO CHANGES IN THE FUTURE OF WORK?**



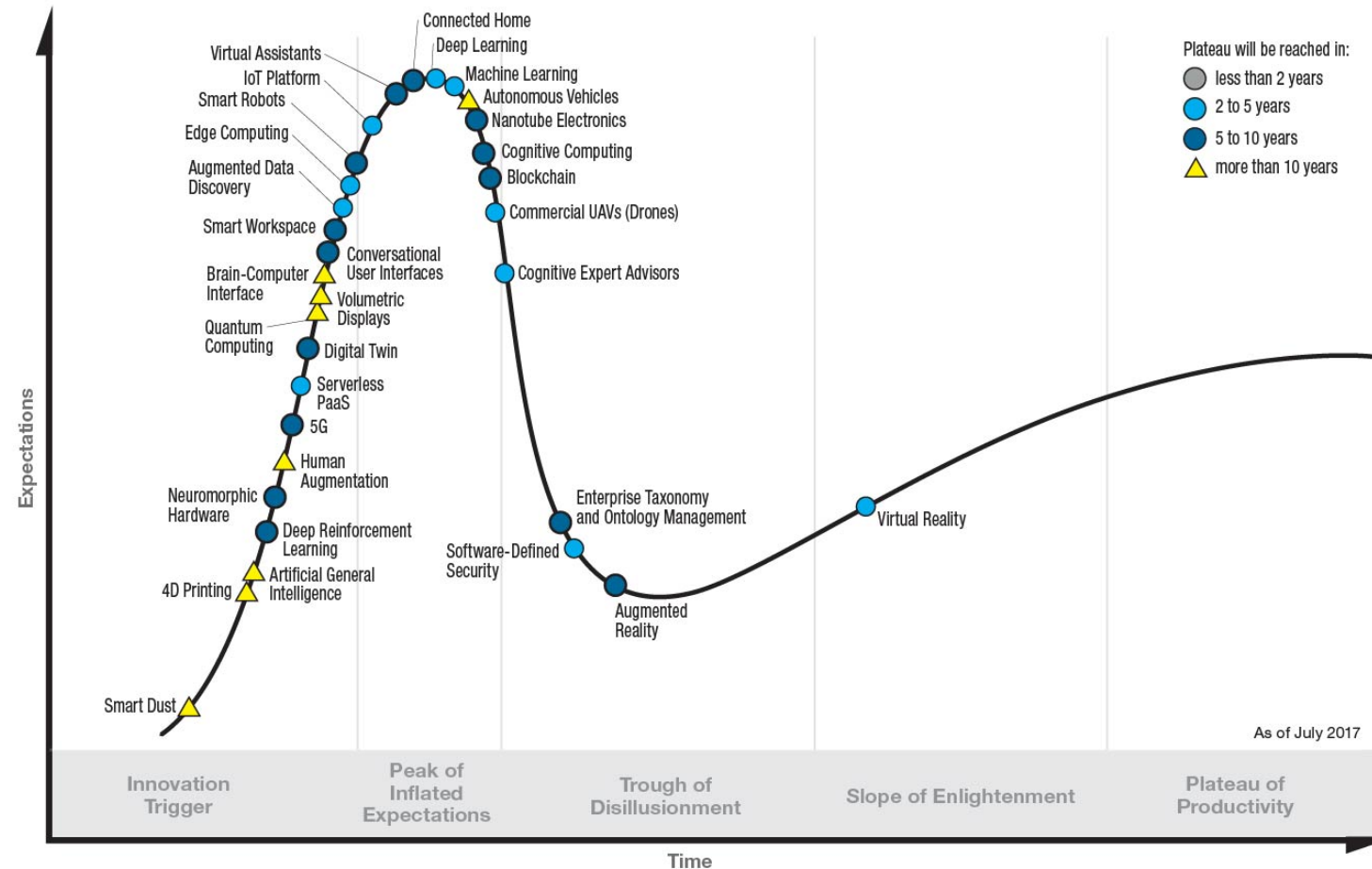
# JPMorgan Software Does in Seconds What Took Lawyers 360,000 Hours

By **Hugh Son**

February 27, 2017, 5:31 PM MST *Updated on* February 28, 2017, 5:24 AM MST

- 
- New software does in seconds what took staff 360,000 hours
  - Bank seeking to streamline systems, avoid redundancies
-

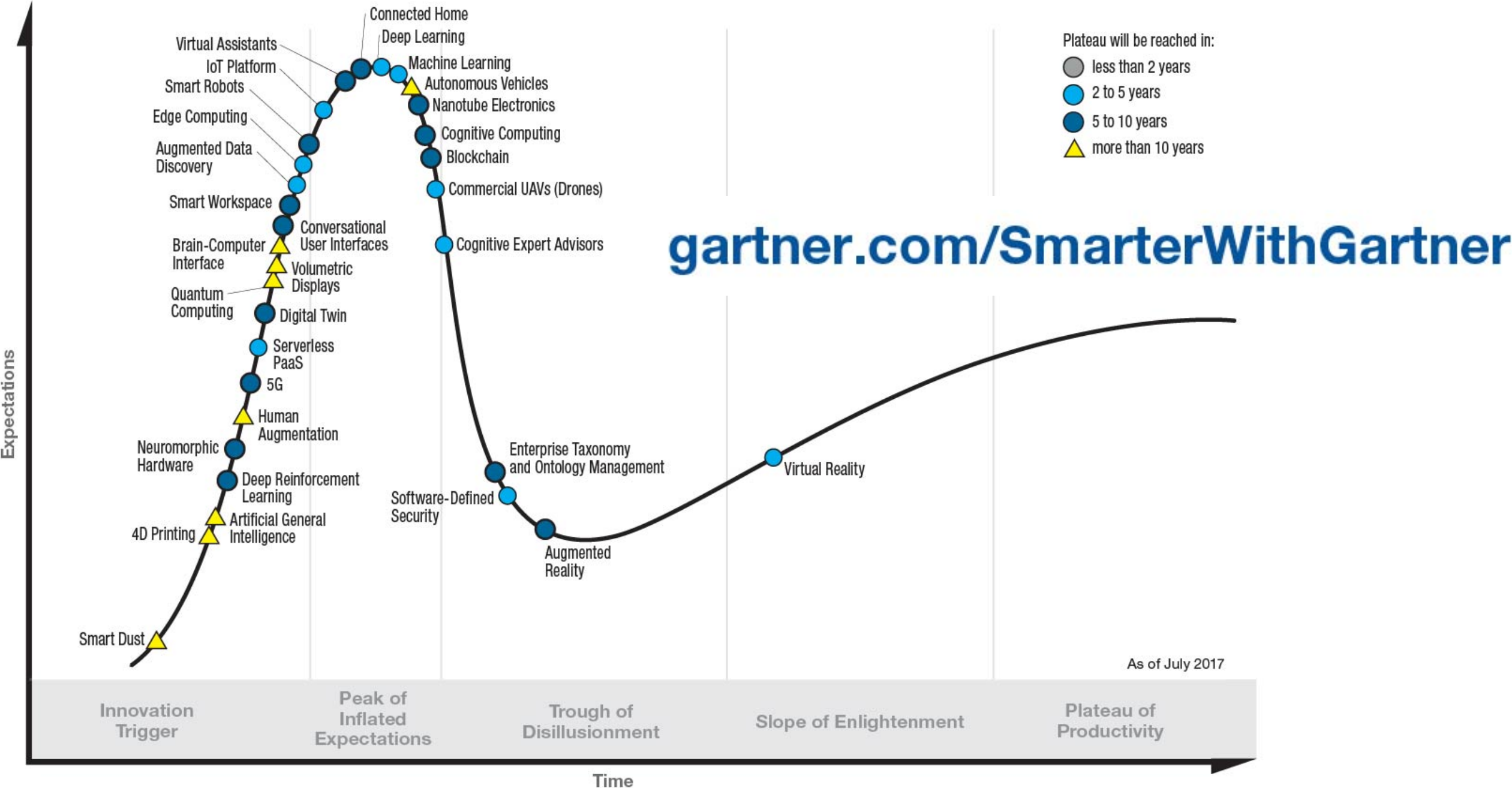
## Gartner Hype Cycle for Emerging Technologies, 2017



[gartner.com/SmarterWithGartner](https://gartner.com/SmarterWithGartner)



# Gartner **Hype Cycle** for Emerging Technologies, 2017



“Racing with the machine  
beats racing against the machine.”

*Erik Brynjolfsson*

## **THE SECOND MACHINE AGE**

**WORK, PROGRESS, AND PROSPERITY  
IN A TIME OF  
BRILLIANT TECHNOLOGIES**

**ERIK BRYNJOLFSSON  
ANDREW McAFEE**





# JOB MARKET SHIFTS *due to automation*

*Adapted from The Second Machine Age*

↑ DEMAND INCREASING

COGNITIVE

DEMAND DECREASING ↓

- Scientists & Research
- Architects
- Doctors
- Designers

- Data Entry & Formatting
- Telephone Sales / Advice / Services
- Routine Accounting Work

NON-ROUTINE ←

→ ROUTINE

- Hair Dressers
- Plumbers & Builders
- Nurses
- Baristas

- Checkout & Retail
- Distribution Centre
- Pickers & Packers
- Mine Truck / Train Drivers

FAETHM

<https://faethm.ai/>

MANUAL



# 2030

## SO WHAT DOES THIS ALL MEAN FOR US, SITTING IN CHICAGO IN JUNE 2018?

*What does it mean for **our kinders** in 2030? (~18 yrs old)*  
*What does it mean for **our freshmen** in 2030? (~28 years old)*





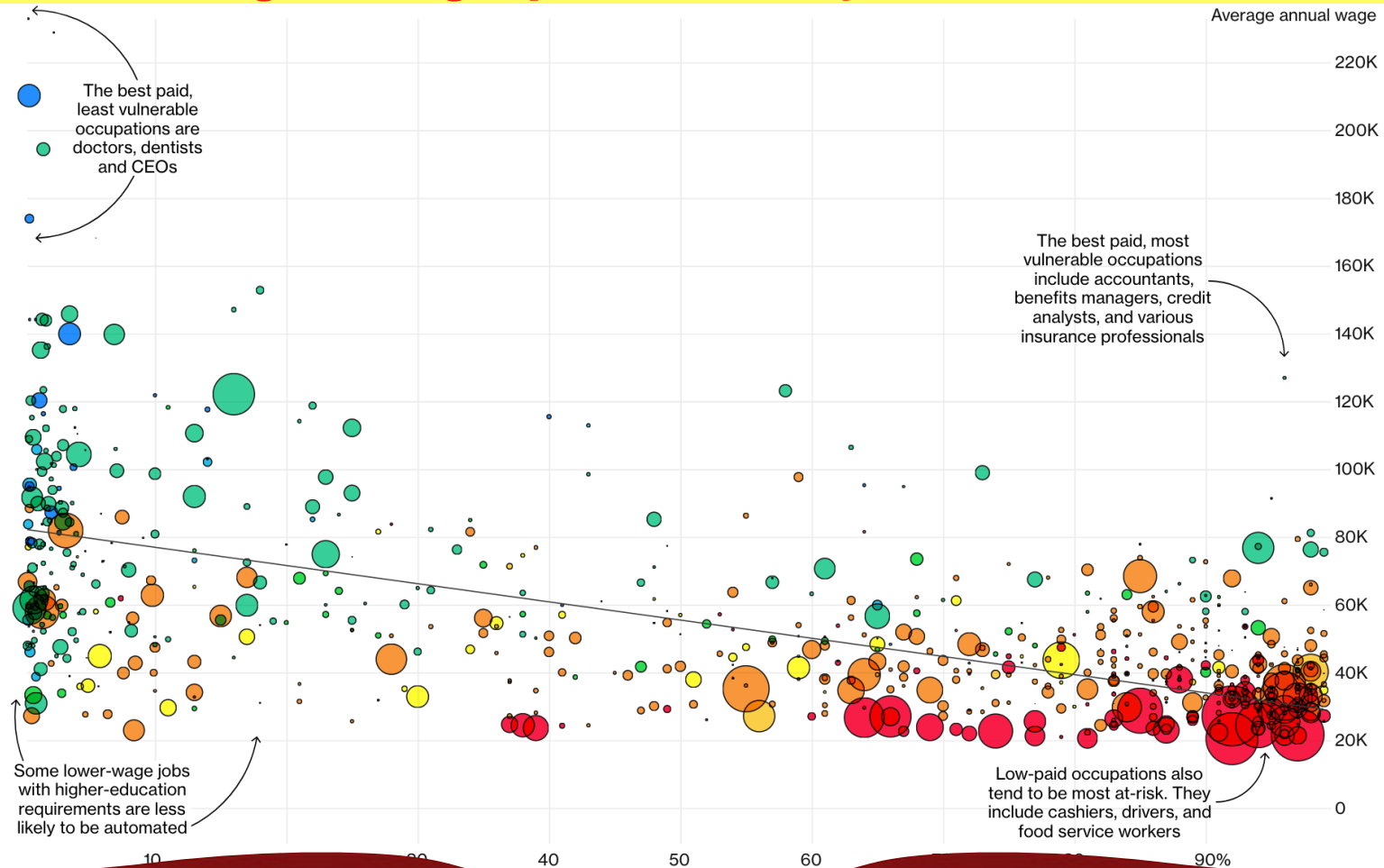
# **EDUCATION QUESTION**

**HOW MIGHT WE BUILD PEOPLE'S SKILLS  
FOR TOMORROW'S KNOWLEDGE ECONOMY?**

## Is Your Job At Risk? <sup>2</sup>

● Doctoral or Professional Degree ● Master's ● Bachelor's ● Associate's ● Postsecondary Nondegree Award  
● Some College ● High School Diploma or Equivalent ● No Formal Education Credential

[bloomberg.com/graphics/2017-jobs-automation-risk](https://www.bloomberg.com/graphics/2017-jobs-automation-risk)





# **PREDICTED TO BE IN LIVING ROOMS** **2-5 YEARS**

*Virtual Reality*  
*Software-Defined Security*  
*Cognitive Expert Advisors*  
*Commercial UAVs (Drones)*  
*Machine Learning*

*Deep Learning*  
*IoT Platform*  
*Augmented Data Discovery*  
*Serverless PaaS*

# **PREDICTED TO BE IN LIVING ROOMS** **5-10 YEARS**

*SmartWorkspace*

*Digital Twin*

*5G*

*Connected Home*

*Virtual Assistants*

*Edge Computing*

*Enterprise Taxonomy & Ontology Management*



# **PREDICTED TO BE IN LIVING ROOMS** **5-10 YEARS**

*Augmented Reality*

*Blockchain*

*Deep Reinforcement Learning*

*Conversational User Interfaces*

*Cognitive Computing*

*Nanotube Electronics*

*Neuromorphic Hardware*

# **PREDICTED TO BE IN LIVING ROOMS >10 YEARS**

*Autonomous Vehicles*

*Human Augmentation*

*Brain-Computer Interface*

*4D Printing*

*Volumetric Displays*

*Smart Dust*

*Quantum Computing*

*Artificial General Intelligence*

*Conversational User Interfaces*





**WHAT DO THESE CHANGES MEAN**

**FOR THE PEOPLE & JOBS IN REGIONAL AREAS THAT ARE  
BUILT AROUND A SINGLE INDUSTRY  
THAT'S LIKELY TO BE DISRUPTED?**



*Step right up and  
win yourself a prize!*

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