### The New AEC Industry: How to Survive in the New Information Age

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#### **Class summary**

Our industry has changed. New tools are challenging the traditional design process and impacting our cost structures. At the same time, a wave of Millennials and Generation Zers are entering the workforce and changing corporate cultures everywhere. They bring with them a mindset revolving around access to their work from anywhere, a warehouse of new customized tools, and an open-source mindset of collaboration and co-opitition. All the while, the entire environment around us is becoming more connected through the Internet of Things, and bombarding us with more and more data. How will the architecture, engineering, and construction industry adapt to such drastic change? Do you have the skill sets needed to survive in this new age?

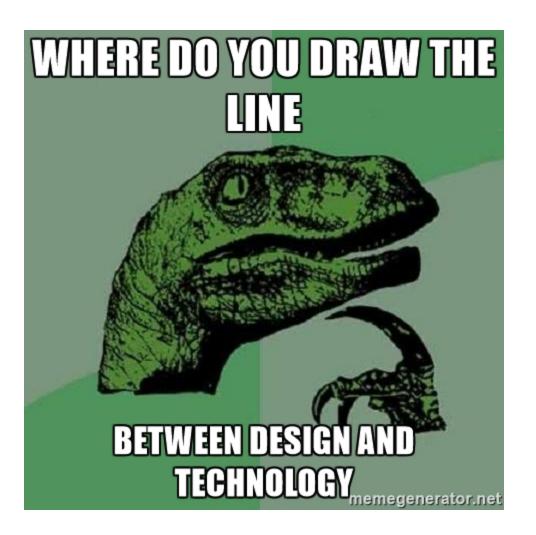


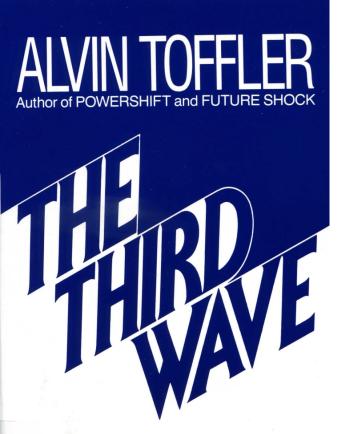
#### **Key learning objectives**

At the end of this class, you will be able to:

- Learn how to adapt your workflows to the new tools that are changing our traditional design process
- Learn how to partner with Millennials and Generations Zers to advance your corporate culture
- Understand the technology that's available today that enables design collaboration and access from anywhere with an internet connection
- Find out why you should be experimenting with IoT and big data today







# The Third Wave Alvin Toffler 1980

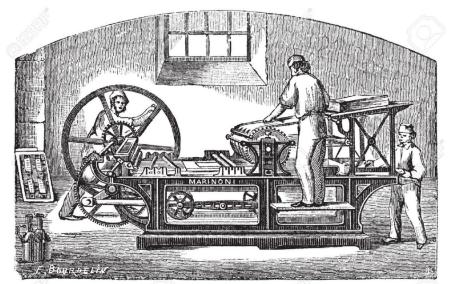
THE CLASSIC STUDY OF TOMORROW

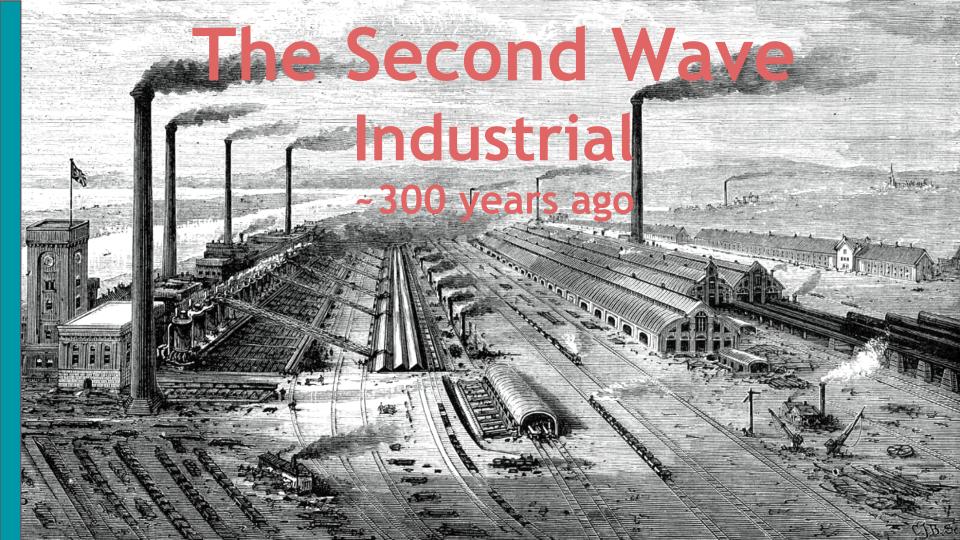


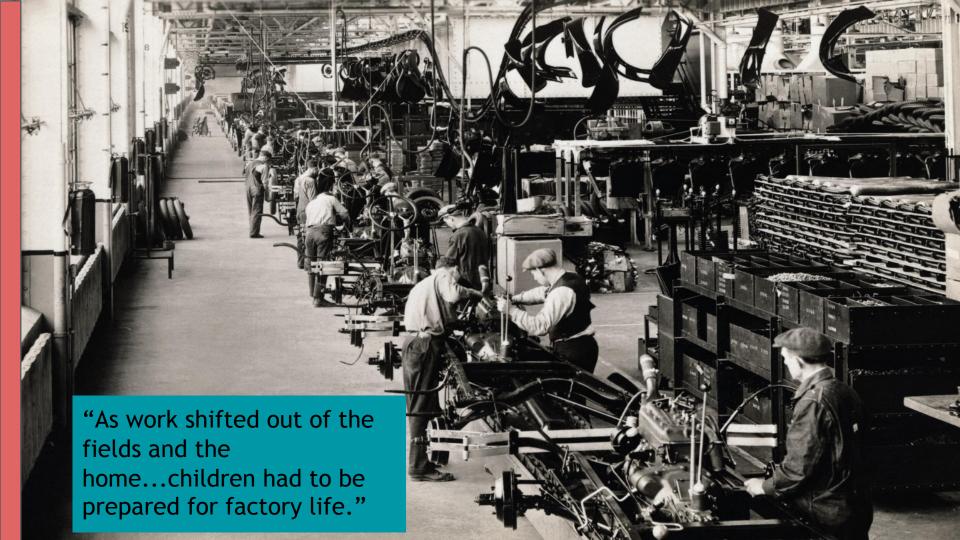


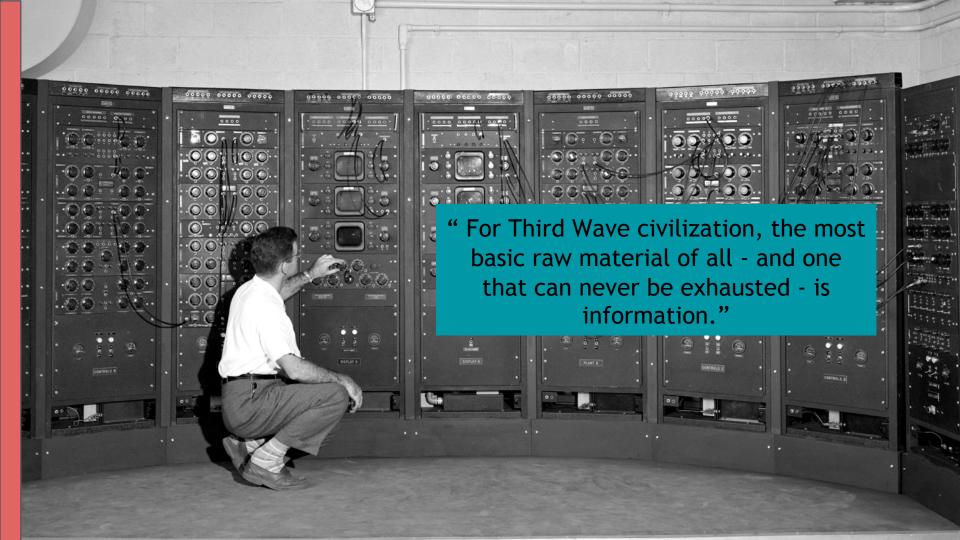
# First Wave was dominant until around 1650-1750

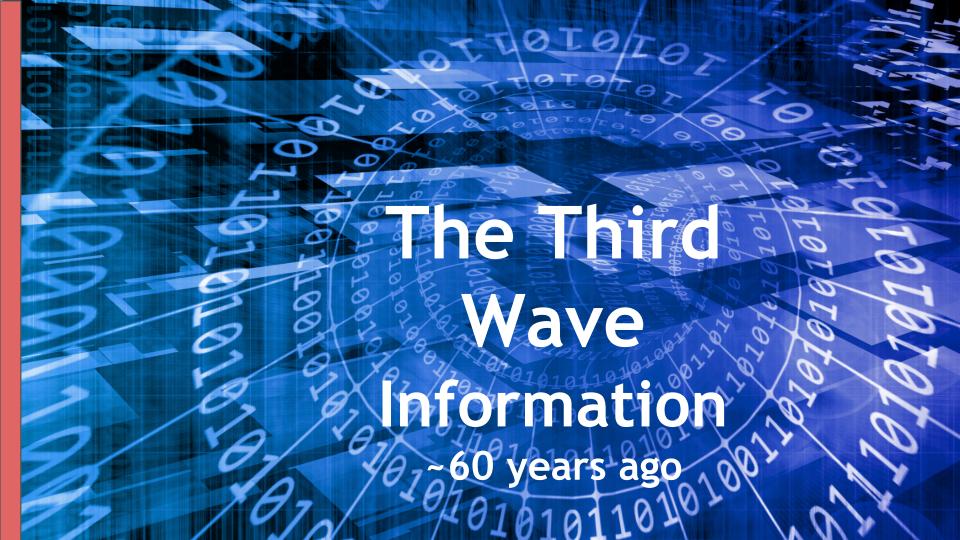














#### Key traits which will be valued in the Third Wave

Education will become interspersed and interwoven with work, and will be spread out over a lifetime.

On the job, the ability to accept responsibility, to adapt swiftly to change, and to be sensitive to fellow workers will be prized.

Successful people will be complex and individualistic.

Blind obedience on the job will be penalized. Independent thinking, questioning of authority, talking back will be rewarded.

Self-reliance, and the ability to do things with one's own hands will become prestigious.

The Third Wave
Steve Case
2016

THE NEW YORK TIMES BESTSELLER

THE

AN ENTREPRENEUR'S

THIRD

VISION OF THE FUTURE

WAVE

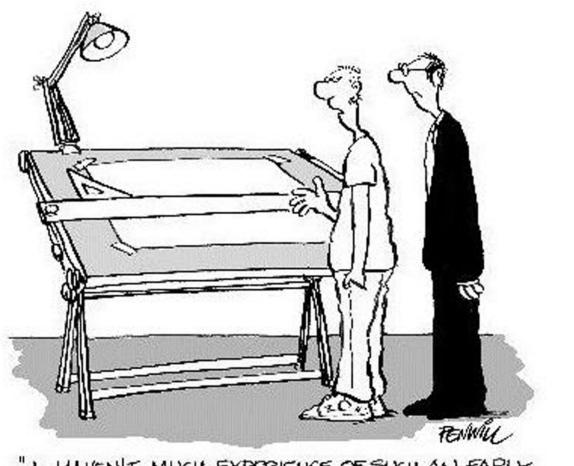
STEVE CASE

FOREWORD BY WALTER ISAACSON, AUTHOR OF STEVE JOBS









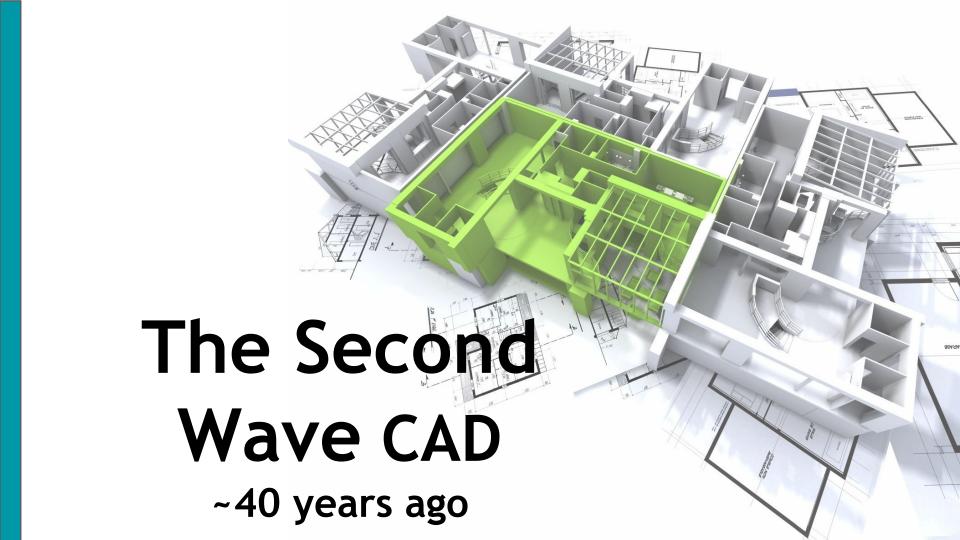
"I HAVEN'T MUCH EXPERIENCE OF SUCH AN EARLY VERSION OF AUTOCAD "





## key innovations leading to the second wave





#### DILBERT

#### BY SCOTT ADAMS











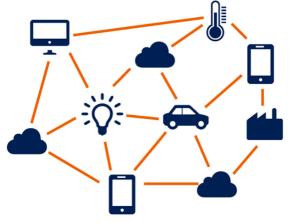






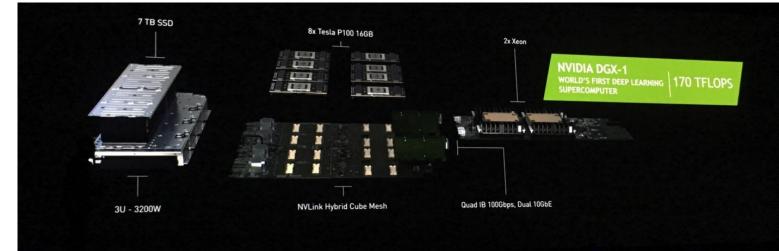
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key innovations leading to the third wave







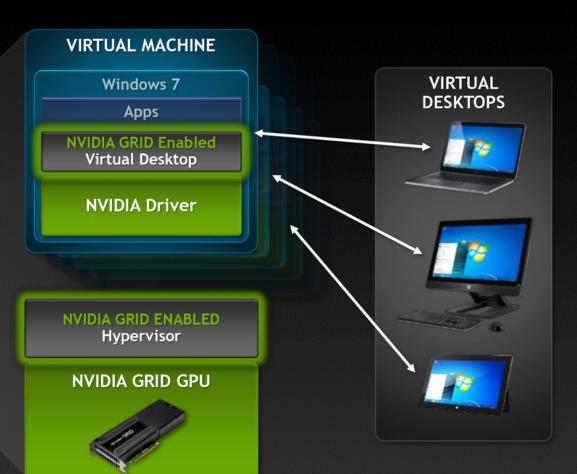














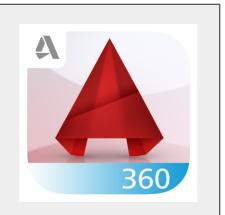












Revit in the cloud?



#### Build in the cloud

Run Autodesk Revit® in a browser.

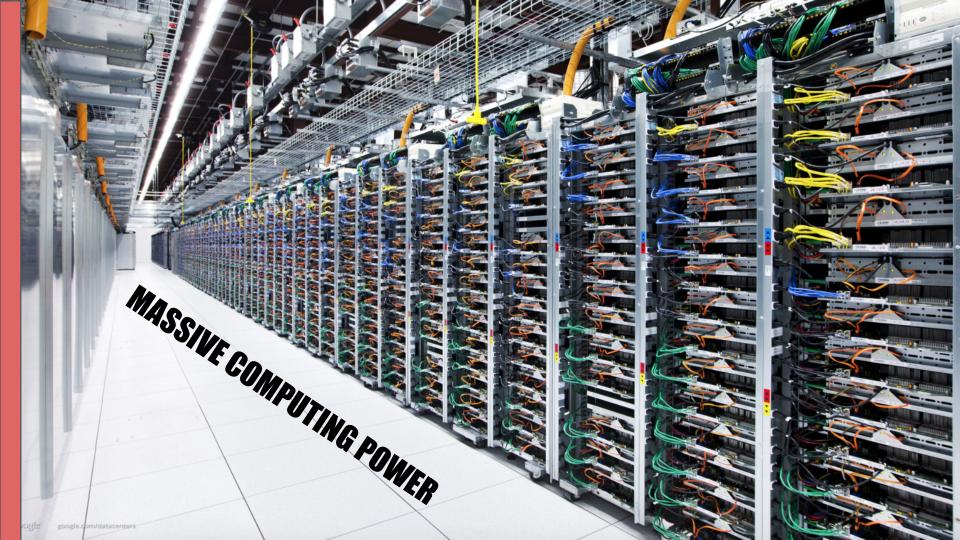
CLICK TO RUN

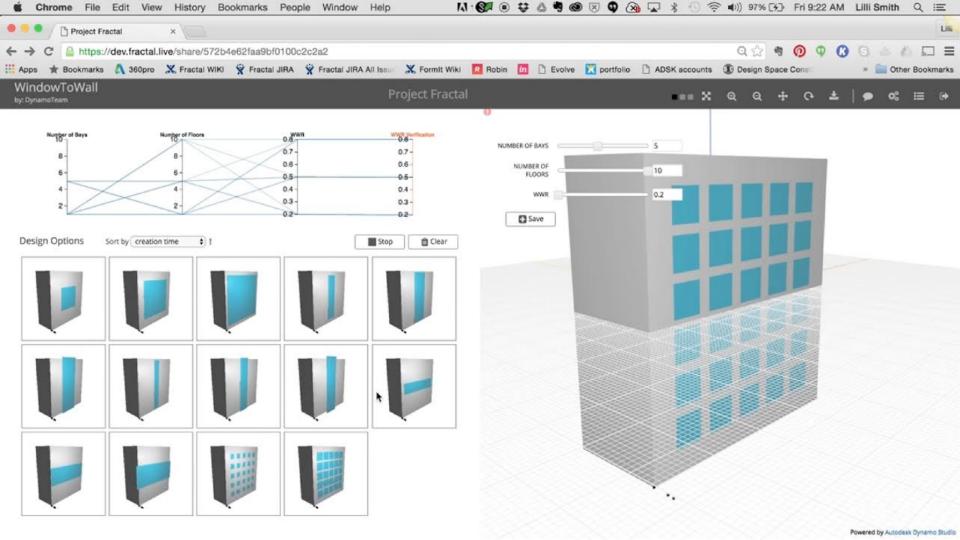
or open a free account at www.fra.me to run any software on the cloud











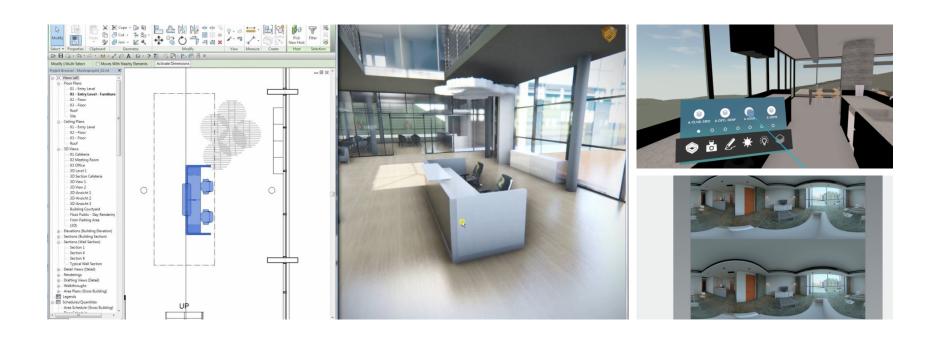




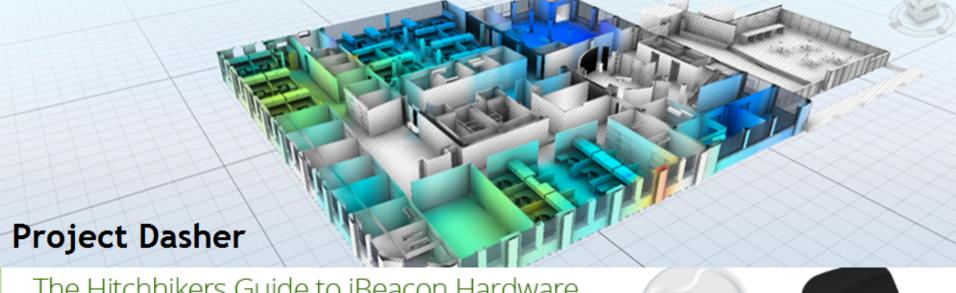


#### Virtual Reality

#### Enscape, Iris VR, Autodesk 360 cloud render



# a



The Hitchhikers Guide to iBeacon Hardware.

A Comprehensive Report by Aislelabs















Accent Systems

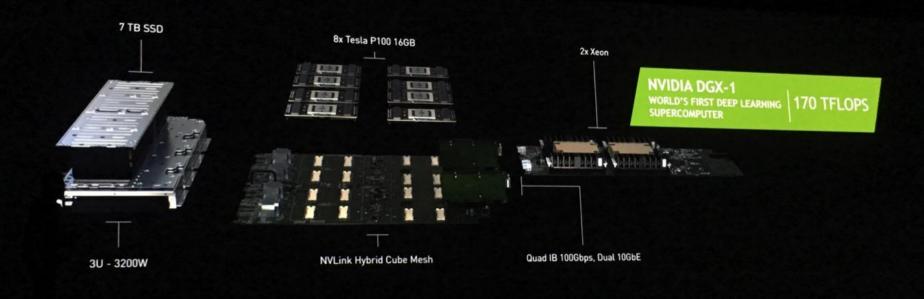


April Brother

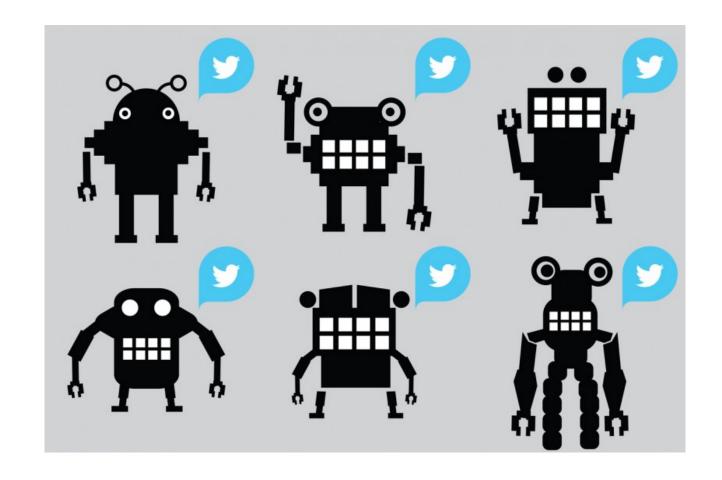


# data analytics











## **Generations Defined**

#### **Generation Z**

Born: after 1997 Age of Adults in 2015: 18to 19

#### **Baby Boomers**

Born: 1946 to 1964

Age of Adults in 2015: 51 to 69 Age of Adults in 2015: 70 to 87

#### **Millenials**

Born: 1981 to 1997 Age of Adults in 2015: 18 to 34

#### **Silent Generation**

Born: 1928 to 1945

#### Generation X

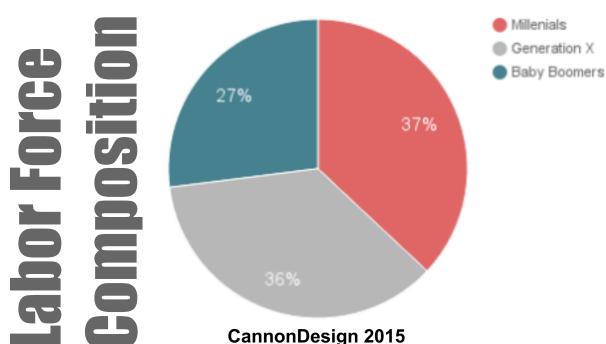
Born: 1965 to 1980

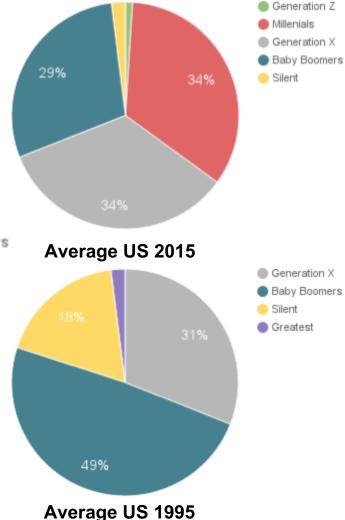
Age of Adults in 2015: 35 to 50

#### **Greatest Generation**

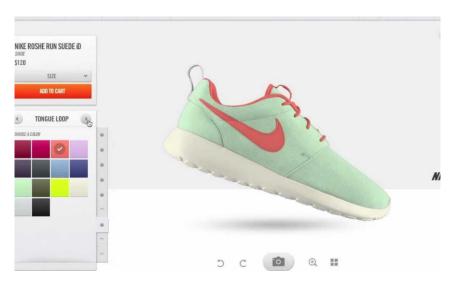
Born: before 1928

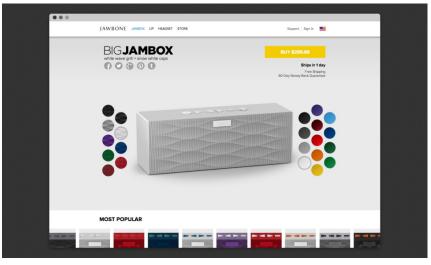
Age of Adults in 2015: 88 to 100

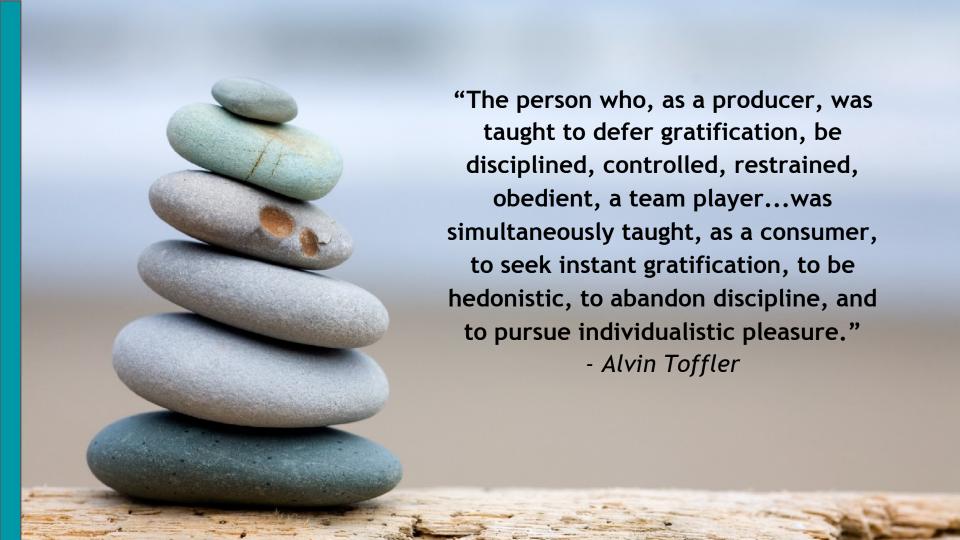




# Customization







# co•op•e•ti•tion

/kōˌäpəˈtiSH(ə)n/

collaboration between business competitors, in the hope of mutually beneficial results



"Build something that makes you proud but not satisfied enough to stop dreaming about what comes next. Enter the arena. Topple an empire and build your own from the ground up." - Steve Case









"Amazon recognized the ebook industry would rule the future. So they built it themselves - the hardware and software - and now they own the past and future." - Steve Case







"The third wave of the internet is coming, the moment where the internet transforms from something we interact with to something that interacts with everything around us."

- Steve Case

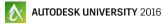
"The third wave of the there is coming, the moment where the technology transforms from something we interact with to something that interacts with everything around us."

- me

### How did I do?

- Your class feedback is critical. Fill out a class survey now.
- Use the AU mobile app or fill out a class survey online.
- Give feedback after each session.
- AU speakers will get feedback in real-time.





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