

#DesignInTech Report Maeda

John Maeda, Design Partner
Kleiner Perkins Caufield & Byers

5/15
v 1.1

TEAM: JACKIE XU (TALENT), AVIV GILBOA (MARKETING & COMMUNICATIONS), JUSTIN SAYARATH (TALENT)
WITH SPECIAL THANKS TO CHRISTINA LEE, JULIET DE BAUBIGNY, MARY MEEKER, MIKE ABBOTT

Overview

- 1 The Data of #DesignInTech
- 2 A few thoughts about Design, Tech, and Business
- 3 Why should you (and businesses) care about #DesignInTech?
- 4 How do you become a #Design(er)InTech?
- 5 Final Thoughts

1

The Data of #DesignInTech

Timeline of #DesignInTech M&A Activity

pre-2013

2013

2014

2015

- **FLEXTRONICS**

+acq. **Frog Design** 2004

- **RIM**

+acq. **TAT** 2010

- **FACEBOOK**

+acq. **Sofa** 2011

- **GLOBALLOGIC**

+acq. **Method** 2011

- **GOOGLE**

+acq. **Mike & Maaiké** 2012

- **FACEBOOK**

+acq. **Bolt Peters** 2012

- **FACEBOOK**

+acq. **Hot Studio** 2013

- **ACCENTURE**

+acq. **Fjord** 2013

- **OCULUS / FB**

+acq. **Carbon Design** 2014

- **GOOGLE**

+acq. **Gecko Design** 2014

- **CAPITAL ONE**

+acq. **Adaptive Path** 2014

- **FACEBOOK**

+acq. **Teehan+Lax** 2015

- **BBVA**

+acq. **Spring Studio** 2015

- **MCKINSEY**

+acq. **Lunar Design** 2015

Fourteen

~~Nine~~ creative firms have been *atypically* acquired by companies known for tech like Facebook, Flextronics, Google; also Accenture, Capital One, BBVA, McKinsey & Co

Agencies acquired by mature startups include 80/20 (+acq. Square 2012), Jet Cooper (+acq. Shopify 2013), Helicopter (+acq. One Kings Lane 2011).

Source: @kpcb @johnmaeda @jshoe @wired @philippbohn @anthonydimare #DesignInTech

<http://www.wired.com/2013/05/accenture-fjord/> <http://www.americanbanker.com/news/bank-technology/bank-deals-for-digital-design-firms-highlight-new-mobile-priorities-1073876-1.html> <http://blogs.blackberry.com/2010/12/rim-welcomes-tat/>

Why Are Tech Companies Acquiring Design Agencies?

1

The solution to every new problem in tech has been simple: more tech.

2

A better experience was made with a faster CPU or more memory.

3

Moore's Law no longer cuts it as the key path to a happier customer.

the old way of thinking

the *new* way of thinking



Tech companies, and investors, are increasingly seeing the value of designers who know how to work with and within the constraints of the tech industry.

As the marginal return on more computing power (a la Moore's law) continues to diminish, a new kind of design will matter more than Moore.

Source: @kpcb @johnmaeda @gigaom #DesignInTech

<https://gigaom.com/2013/11/09/with-moores-law-receding-design-is-how-we-decide/>

What was it like before all this heat around #DesignInTech?

“ [Silicon Valley] didn't think a designer could build and run a company. They were straight up about it. We weren't MBAs, we weren't two PhD students from Stanford. Being designers they thought we were people that worked for people that ran companies.”

—**BRIAN CHESKY** Co-founder of Airbnb
via Dezeen

Brian Chesky, Joe Gebbia, and Nathan Blecharczyk co-founded Airbnb in 2008. Brian and Joe are graduates of the Rhode Island School of Design (RISD).

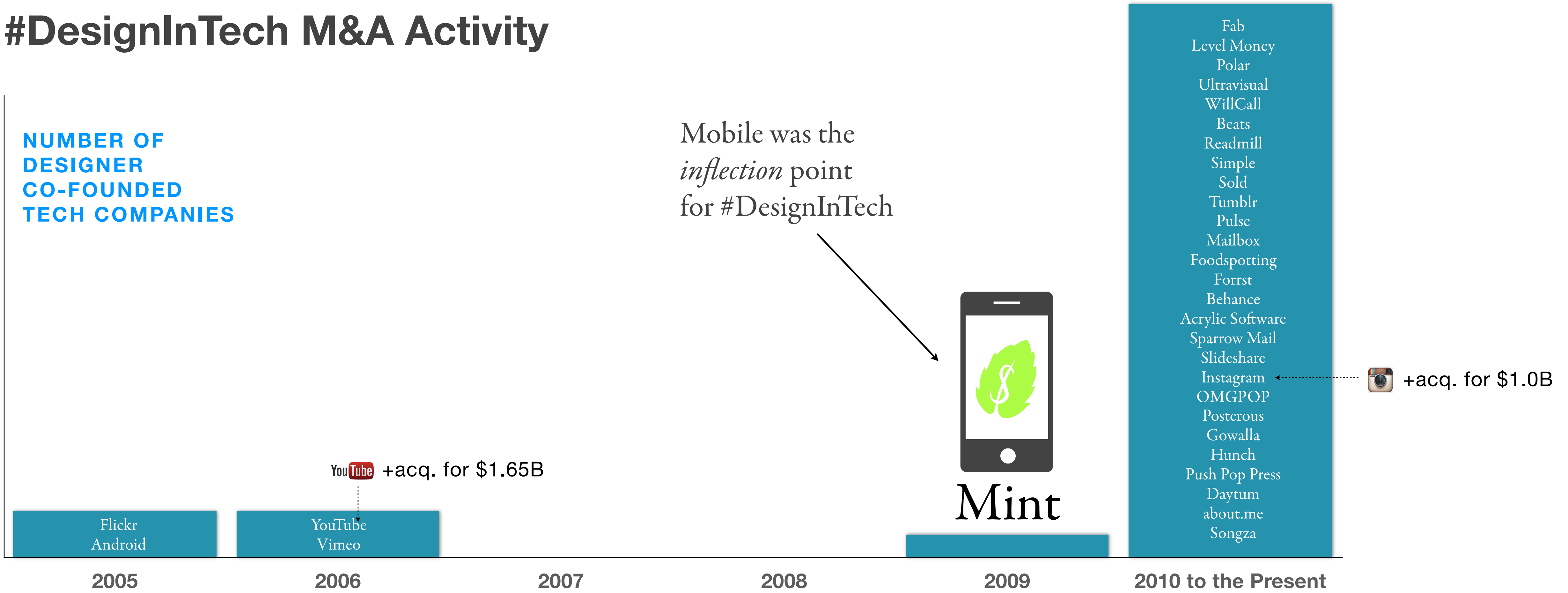
The WSJ reported that in October 2014 the valuation of Airbnb was at \$13B — up from \$10B in April of that year.

Source: @kpcb @johnmaeda #DesignInTech

<http://www.dezeen.com/2014/01/28/silicon-valley-didnt-think-a-designer-could-build-a-company-interview-airbnb-co-founder-brian-chesky/> <http://www.wsj.com/articles/airbnb-mulls-employee-stock-sale-at-13-billion-valuation-1414100930>

#DesignInTech M&A Activity

NUMBER OF DESIGNER CO-FOUNDED TECH COMPANIES

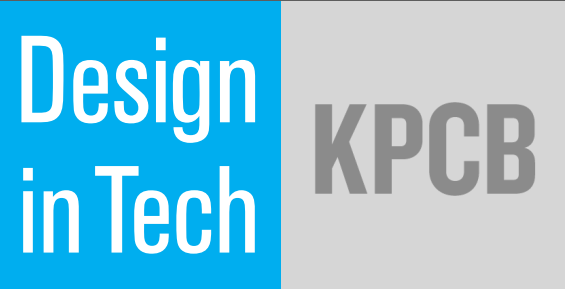


27 startups that were co-founded by designers have been acquired since 2010 by companies like Google, Facebook, Adobe, LinkedIn, Dropbox, and Yahoo.

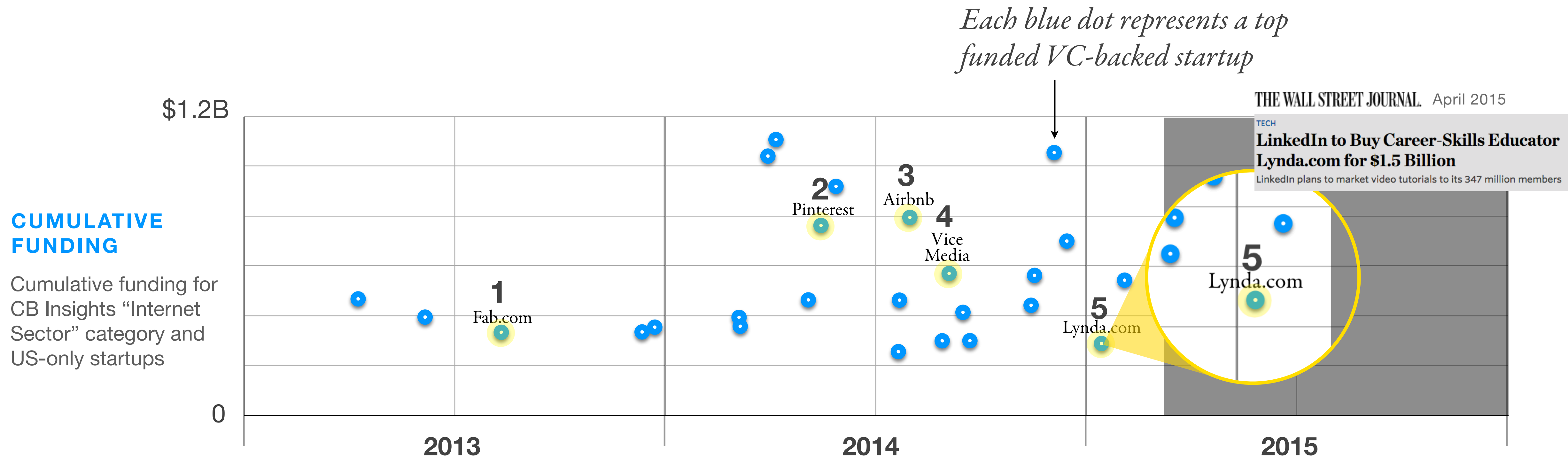
Designing for mobile brought new design and engineering constraints compared with the desktop: 1. Limited computing power, 2. Smaller display → harder to read, 3. Can't rely on network connection, 4. No 'hover' state (no mouse), 5. Hand covers screen when using, 6. Apps silo user data.

Source: @designerfund @kpcb @johnmaeda @jshoe @raphaelschaad @flipboard #DesignInTech

<http://designerfund.com/infographic>



#DesignInTech Funding Activity



Five (20%) of the top cumulative-funded VC-backed ventures that have raised additional capital since 2013 have designer co-founders.

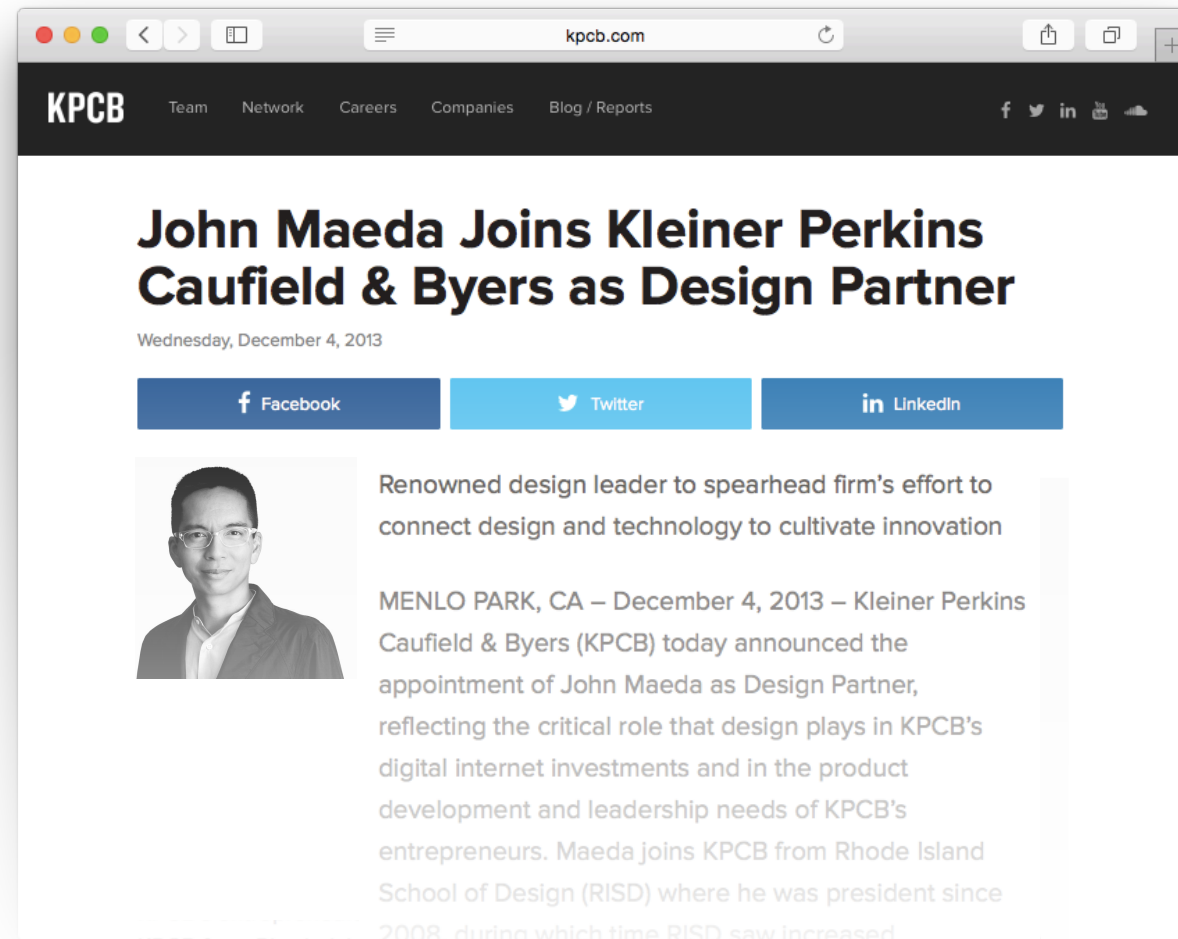
More design-led startups include Flipboard, Gumroad, Path, Tradesy, Segment.io, Quirky, StoreHouse, The Grommet, SOLS. And startups are bringing design expertise in-house earlier: Ionic Security, ZenPayroll, Remind, and aboutLife are a few startups that had design leads in their first 10 hires.

Source: @cbinsights @designerfund @kpcb @johnmaeda @jshoe #DesignInTech

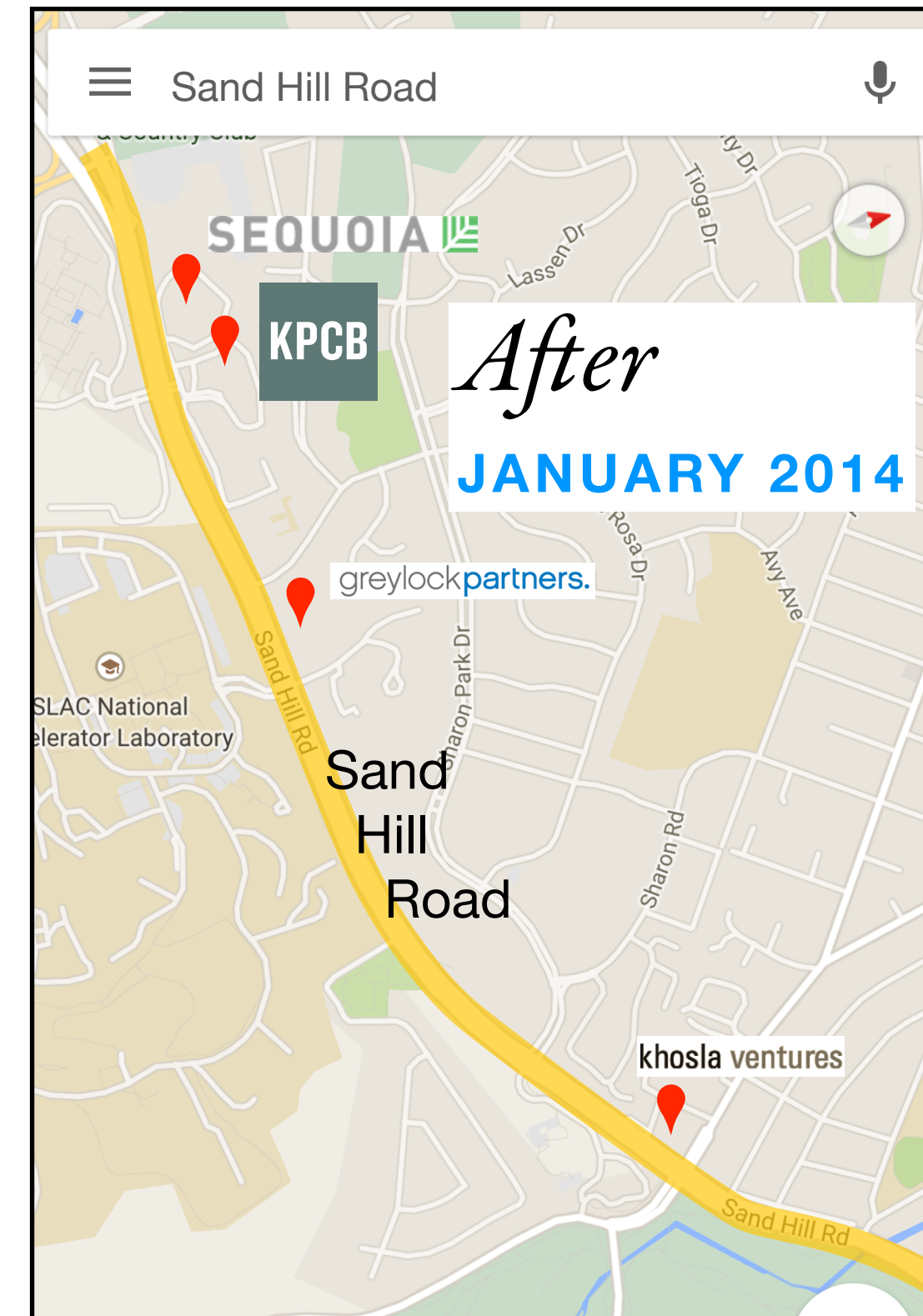
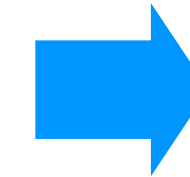
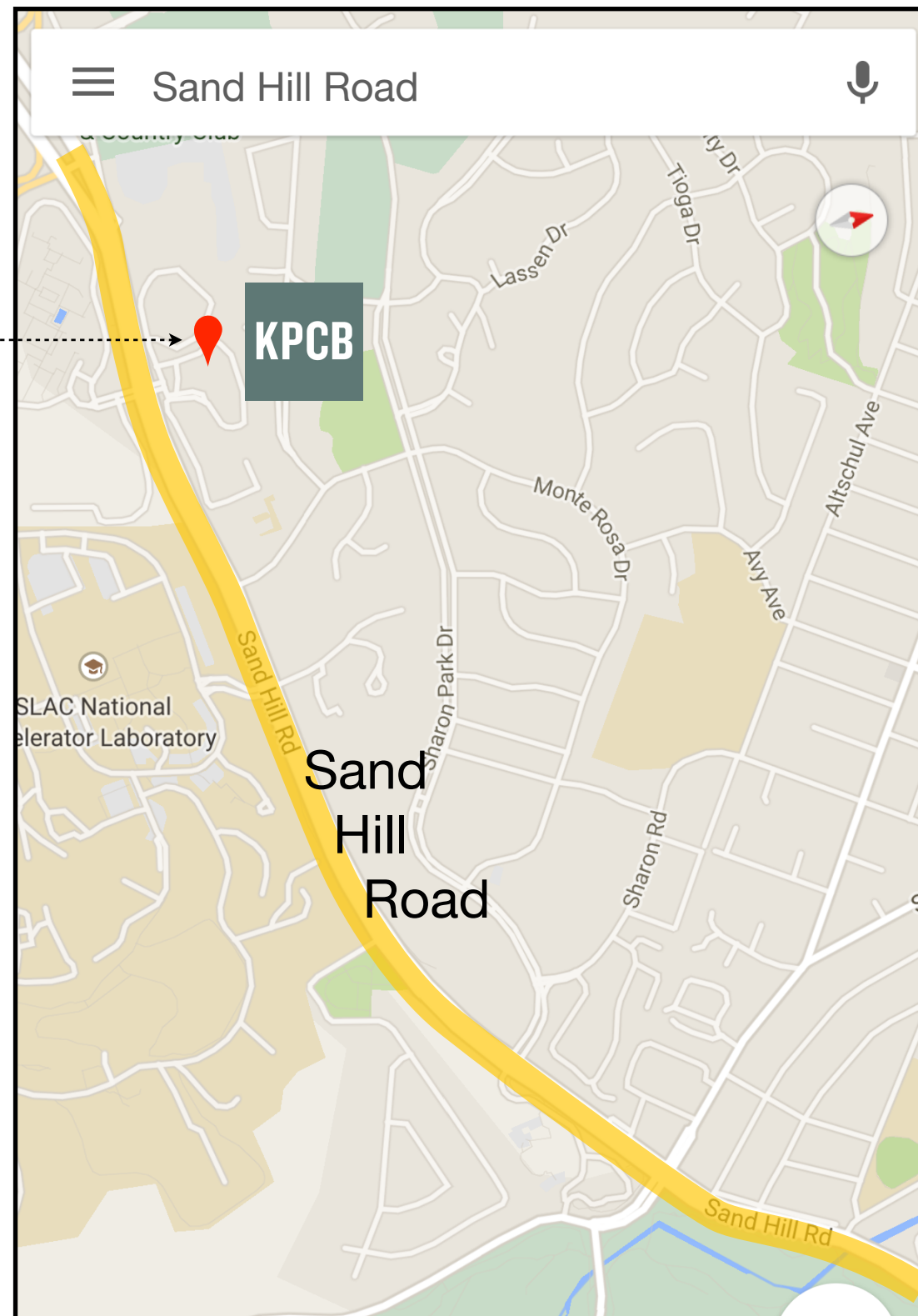
<http://www.kpcb.com/design>

How is Venture Capital Embracing #DesignInTech?

JANUARY 2014



New Design Partner in VC



With new designer partners born away from Sand Hill too:



Google Ventures has the largest design team, founded by Braden Kowitz in 2010.

There were no designers on Silicon Valley's fabled "Sand Hill Road" until January of 2014 when I arrived at KPCB. Since then, six more have now joined VC firms.

VC firms with designers include: Google Ventures, Sequoia Capital, Khosla Ventures, Greylock Partners, True Ventures, Sutter Hill Ventures. Seed funds for designers include Designer Fund and Collaborative Fund. Accelerators with designers include: Y Combinator and Samsung Accelerator.

Source: @kpcb @johnmaeda @designerfund @collabfund #DesignInTech

<http://www.kpcb.com/design>



#DesignInTech by the Numbers

1

27 startups co-founded by designers and 13 creative agencies were acquired by tech in the last 4 years.

2

5 startups co-founded by designers have raised more than \$2.75 billion, and more are out there.

3

6 venture capital firms invited designers onto their teams—for the first time—in the last year.

Businesses started by designers have created billions of dollars of value, are raising billions of dollars in capital, and VC firms increasingly see the importance of design.

If there's any company or deal that we've missed in the #DesignInTech report, please tweet @kpcb any new information. Thank you!

Source: @kpcb @johnmaeda @jshoe #DesignInTech

<http://www.kpcb.com/design>

#DesignInTech Predictions

1

M&A activity of designer-led businesses will likely grow.

» Older user experiences will improve.

2

Designer-led startups will have increased access to capital.

» Designers will grow as executives.

3

Design in VC is not about *pretty*—it's about relevance.

» Design's business value will evolve.

DESIGN → DESIGN

Design in the tech sector is sparking new and extending existing economic growth. Expect more value creation by designers in the coming years as tech matures.

If there's any company or deal that we've missed in the #DesignInTech report, please tweet @kpcb any new information. Thank you!

Source: @kpcb @johnmaeda #DesignInTech

<http://www.kpcb.com/design>

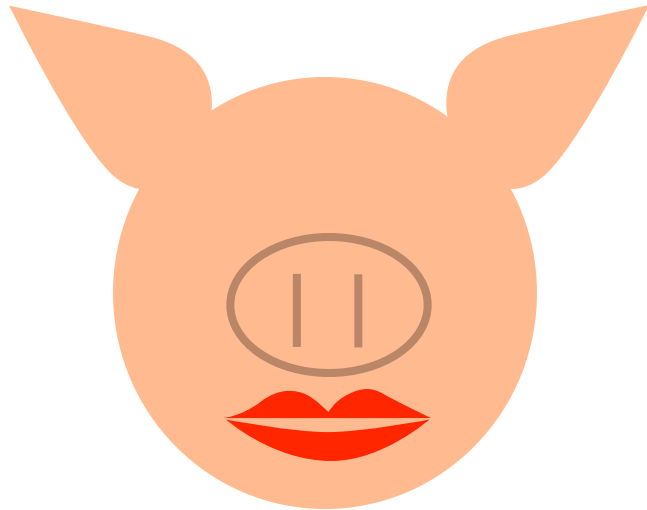
2

A few thoughts about Design, Tech, and Business

Start with design, rather than just end with it. Design is ~~a cost.~~ ^{an investment.}



DESIGN AS "BAKED-IN"

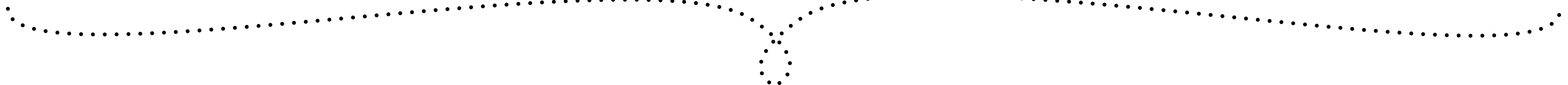


DESIGN AT THE VERY END
(or "COSMETIC SURGERY")

BEGINNING

MIDDLE

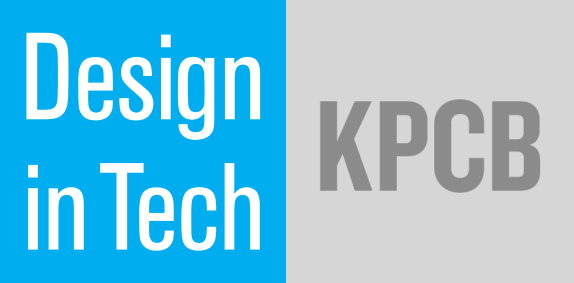
END



\$\$\$\$

To leverage design successfully in tech, don't spray design on at the end.

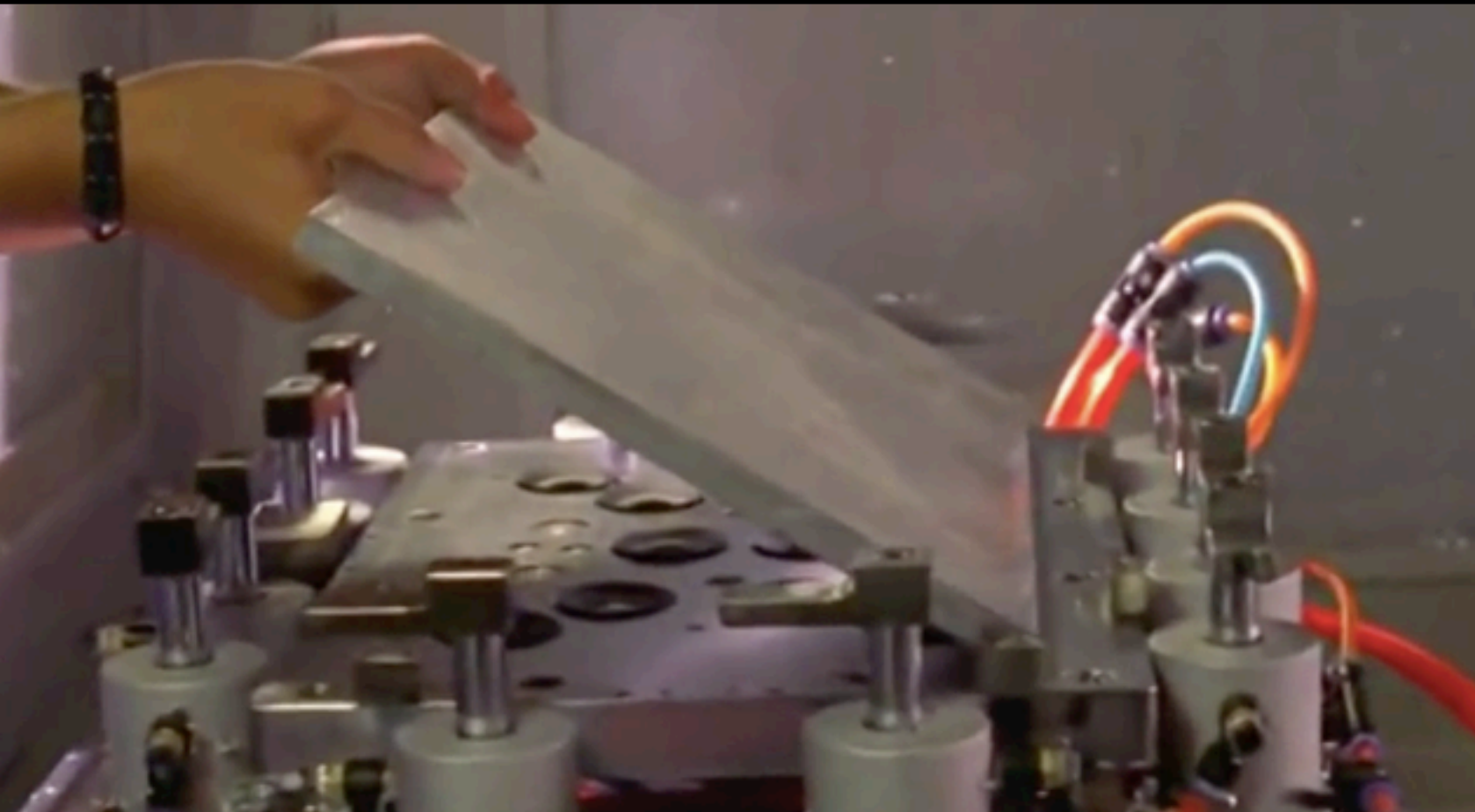
Source: @kpcb @johnmaeda @wsj
<http://blogs.wsj.com/accelerators/2014/02/21/john-maeda-three-principles-for-using-design-successfully/>



Great design is not just about “design.”

To achieve great design, you need great **business thinking/doing** — to *effectively invest* in design — and you need **great engineering** — to achieve unflagging performance.

Combining Design, Tech, and Business: Example 1 (21st c)



Thursday, August 04, 2011
Katie Marsal, AppleInsider.com

Ultrabook Makers squeezed by Apple's Control of Metal Chassis Supply



November 03, 2011
Adam Satariano and Peter Burrows, Bloomberg

Apple's Supply-Chain Secret? Hoard Lasers



June 25, 2012
Jay Yarow and Seth Fiegerman, Business Insider

How Apple's Decision To Buy Aluminum From Australia Forced Microsoft To Build Its Own Tablet

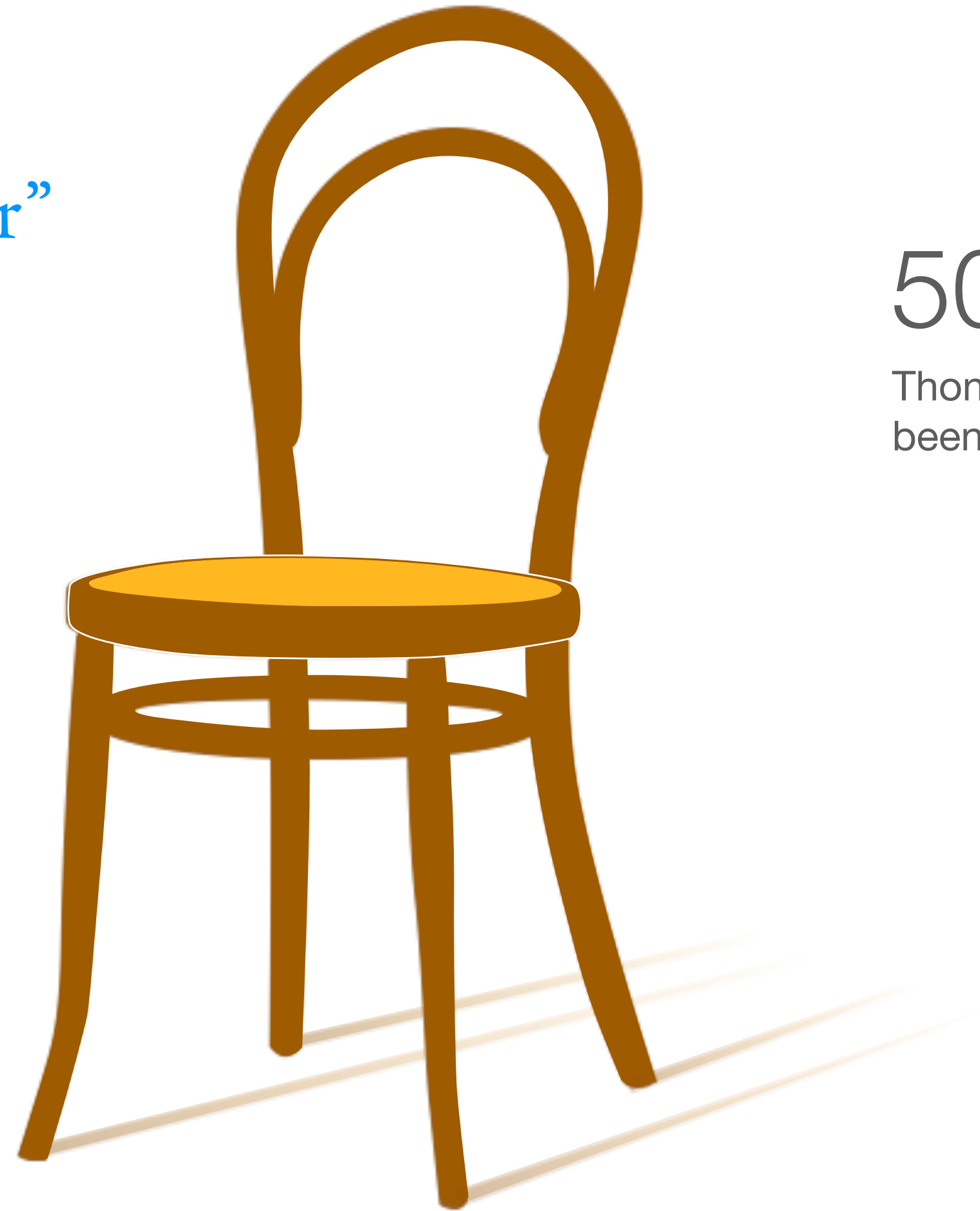
Apple's Macbook unibody was released in 2008 and enabled removing nearly 50% of the parts needed from the previous generation.

Source: @kpcb @johnmaeda #DesignInTech

https://www.youtube.com/watch?v=Ijx6cF-H_I

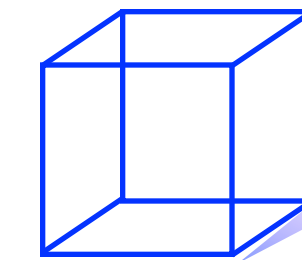
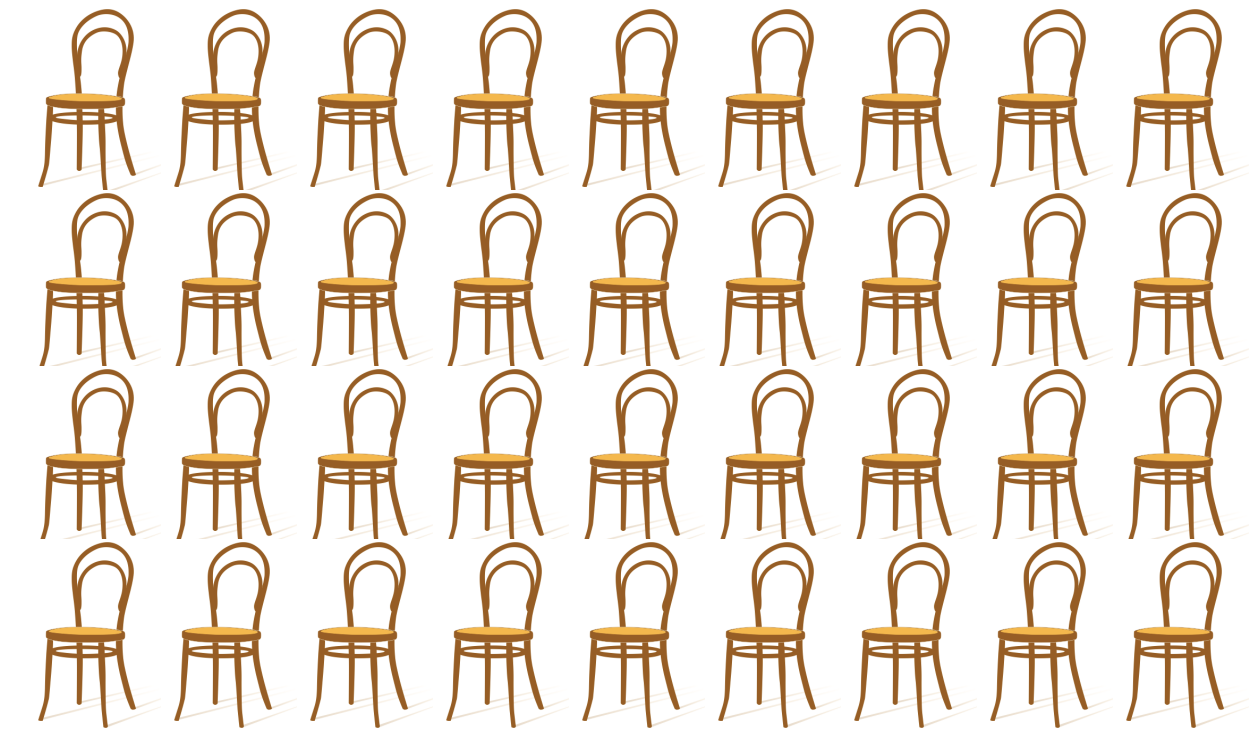
Combining Design, Tech, and Business: Example 2 (18th c)

The “Vienna
coffee house chair”



50,000,000

Thonet No. 14 chairs have
been sold since 1859



**36 Thonet No. 141 chairs
could be disassembled
to fit into a 1-meter cubic
shipping container.**

Michael Thonet's achieved a vertically-integrated, global furniture company with patented technology for bending wood with steam in the 1800s. Thonet had distributed manufacturing across Eastern Europe and sales offices from Hamburg to Rome to Moscow to New York by the 1870s.

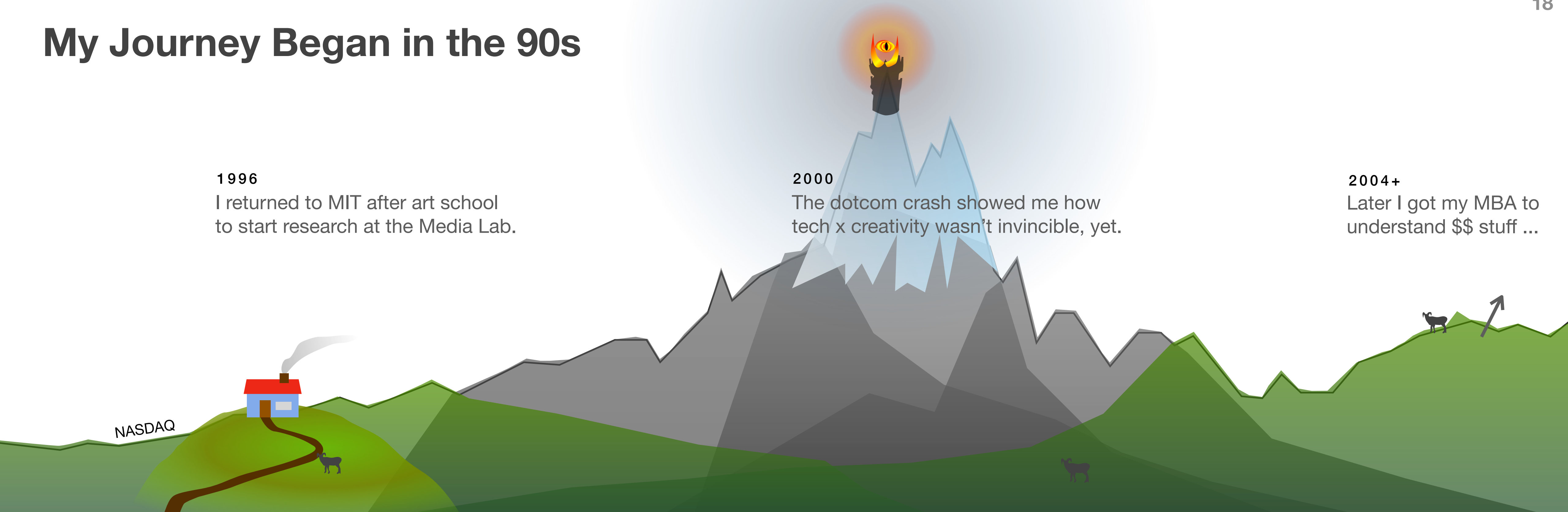
Source: @kpcb @johnmaeda @thonet_gmbh @VDM_News #DesignInTech

<http://www.design-museum.de/en/collection/100-masterpieces/detailseiten/sessel-soehne.html>

3

Why should you (and businesses)
care about #DesignInTech?

My Journey Began in the 90s



1996
I returned to MIT after art school to start research at the Media Lab.

2000
The dotcom crash showed me how tech x creativity wasn't invincible, yet.

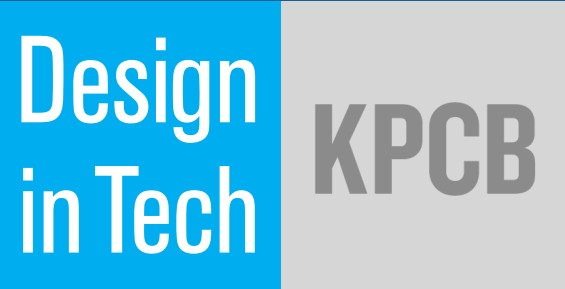
2004+
Later I got my MBA to understand \$\$ stuff ...

NASDAQ

1995 1996 1997 1998 1999 2000 2001 2002 2003 2004

My journey from combining art and technology as a practicing designer in tech, to understanding how industry can leverage design and tech at the Media Lab, to decoding the language of finance through further studies ... led me to choose a different path than I had expected.

Source: @kpcb @johnmaeda @gewang #DesignInTech



Is there a justifiable case for creativity in ~~tech~~ the world?

I've always felt that the younger generation is the best judge of "where to go" because they have the biggest stake in our future direction. It is from them that I learned how "building a justifiable case for creativity in our world" is an important endeavor to achieve some day.

Source: @risd @kpcb @johnmaeda #DesignInTech

<http://kpcb.com/design>

Mary Meeker's Internet Trends Reports tracked the Ascent of #DesignInTech



WHO ARE INTERNET "WINNERS?"

USER INTERFACE: → AOL Time Warner
Microsoft
Yahoo!

COMMERCE: → eBay
Amazon.com

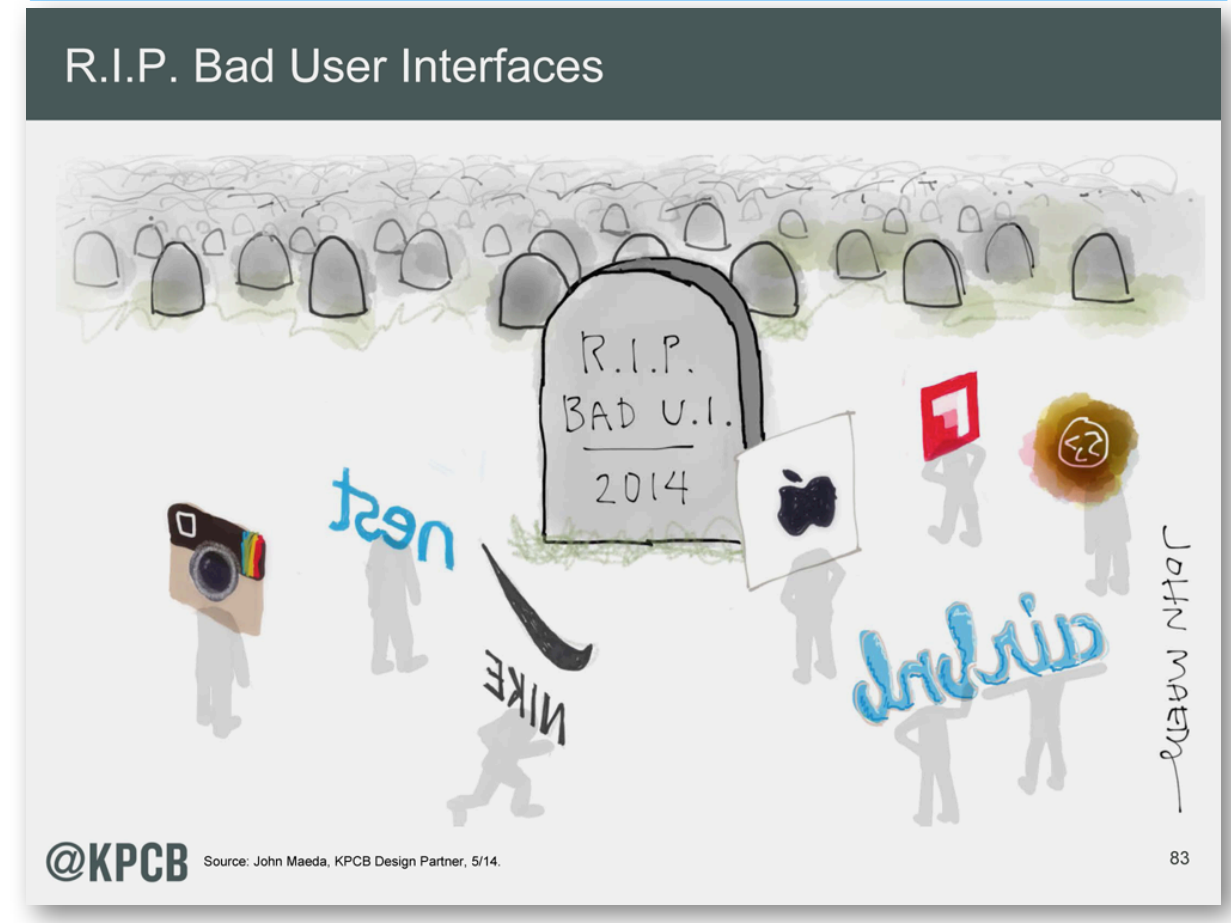
2001
“Internet “Winners” in User Interface: AOL, Microsoft, Yahoo!”

2004
“usage growth tied to user experience”

2008
“mobile products with extraordinary ease-of-use”

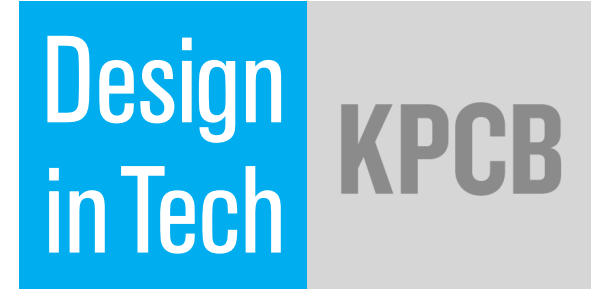
2011
“Steve Jobs’ design aesthetic was second to none”

2014 Page 83

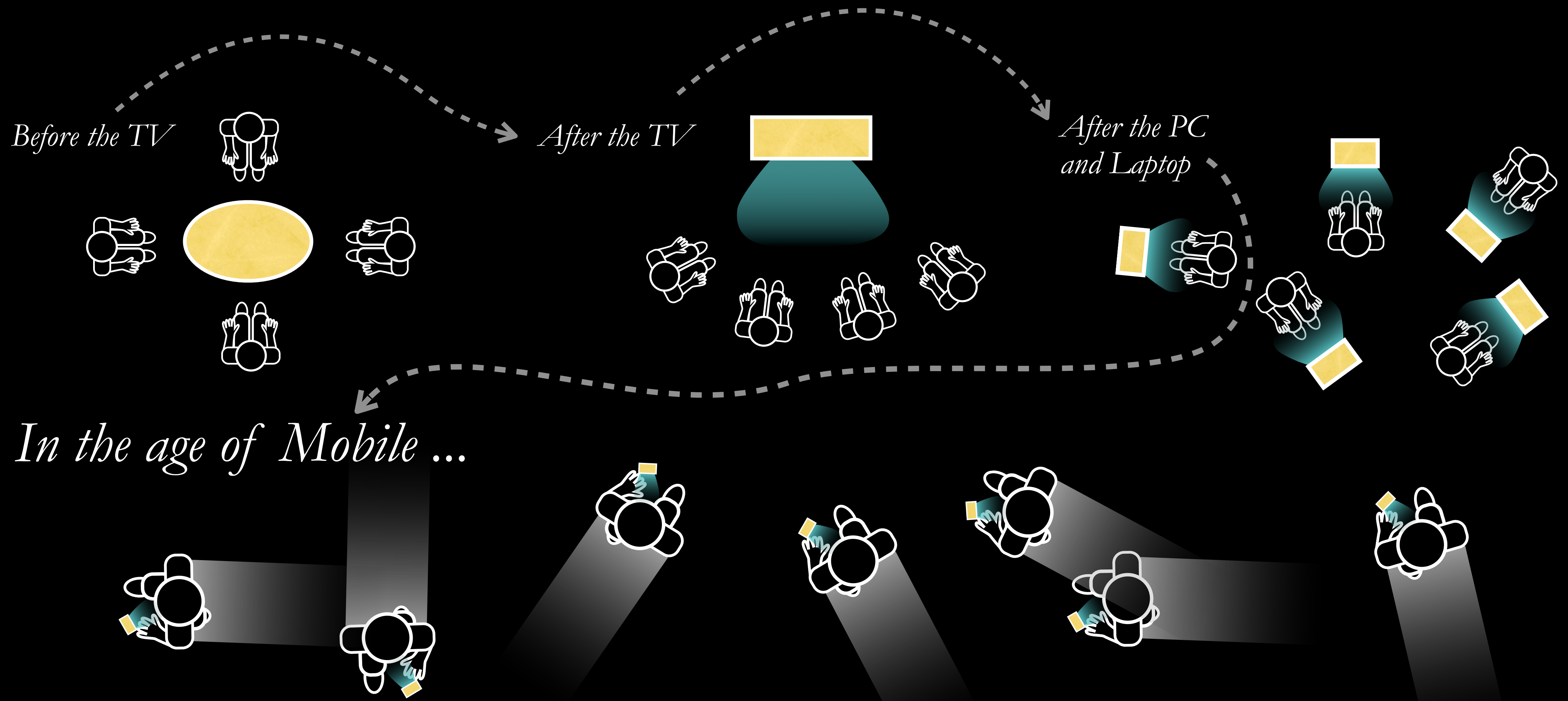


The importance of a quality user interface as the next key to growth was made clear to me when Mary asked me to make Slide 83 of her 2014 Deck, which was entitled: “R.I.P. Bad User Interfaces.” Mary’s work on the Internet Trends Reports were the inspiration for this report.

Source: @kpcb @johnmaeda #DesignInTech
<http://www.kpcb.com/internet-trends>



Tech is no longer for Tech-ies, because Mobile is for Everybody (Right) Now

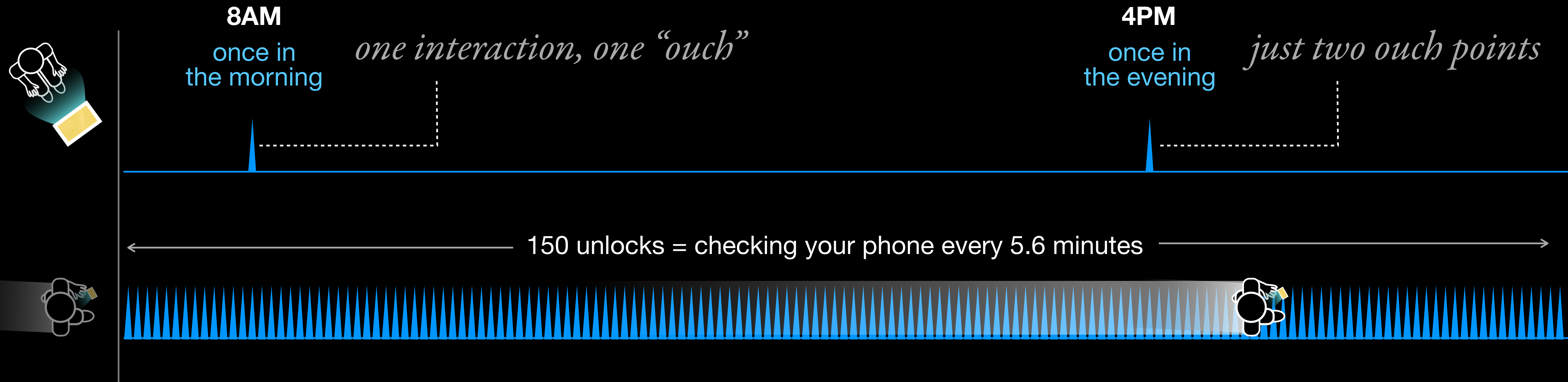


The smartphone revolution brought design's value into the foreground. We want to do in our palm, while walking, what we used to do on a big screen while sitting down at a desk. The interaction design challenges presented by that shift are huge.

Source: @kpcb @johnmaeda @heif #DesignInTech

<http://kpcb.com/design>

User Experience matters so much, because we are Experiencing so much.



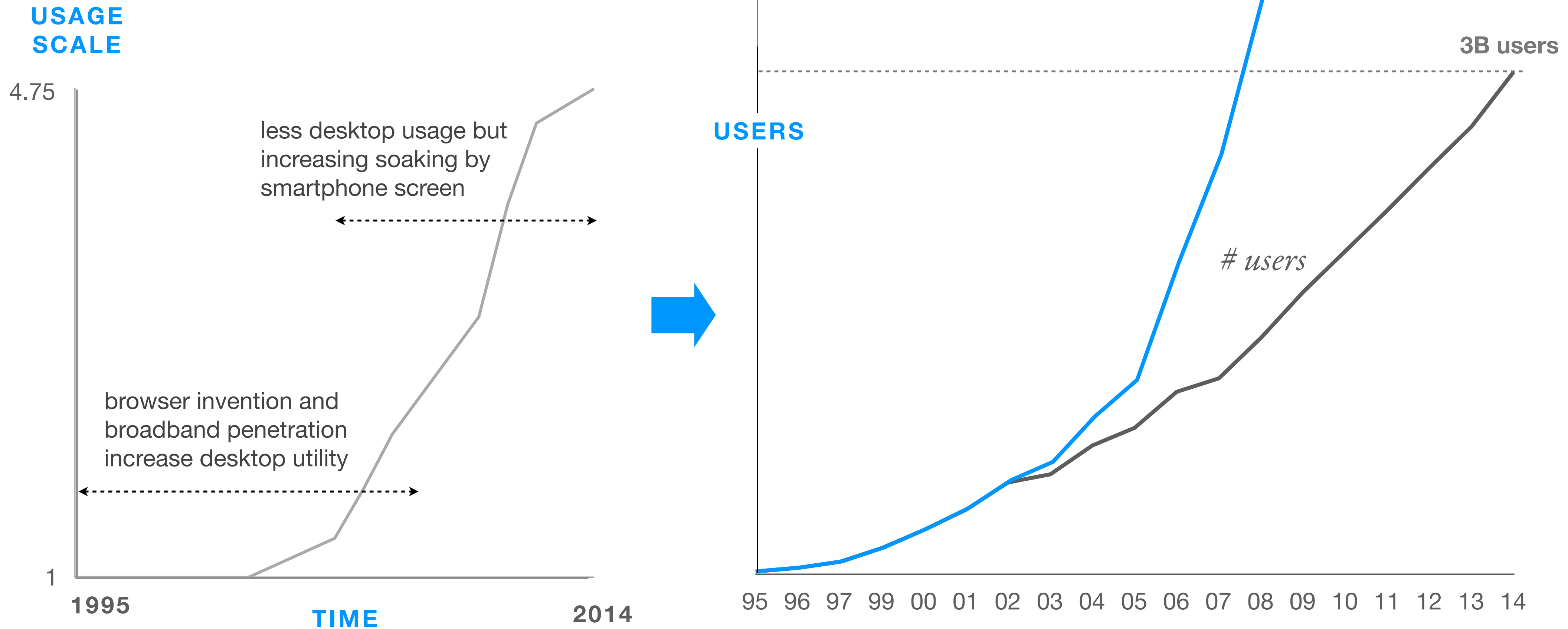
A pain point can become a "pain plane" on mobile. That's a lot of ouch.

The mobile paradigm should be thought of as "the always with you and in your face" paradigm. For that reason, a bad design will not just hurt once, but the hundreds of times you might use the bad design in a single day. That's a lot of unnecessary "ouches."

Source: @kpcb @johnmaeda #DesignInTech

<http://www.kpcb.com/internet-trends>

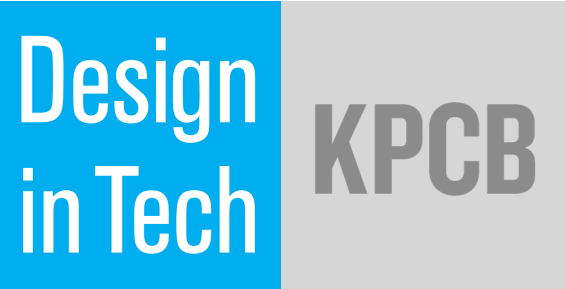
Users x Usage reveals the Real Speed of Change, or “Usage Inflation”



If we re-think the idea of “number of users” as not just about the quantity of users, but the quantity of time that users will be accessing digital information, the “users x usage” curve can look quite different depending on where you stand.

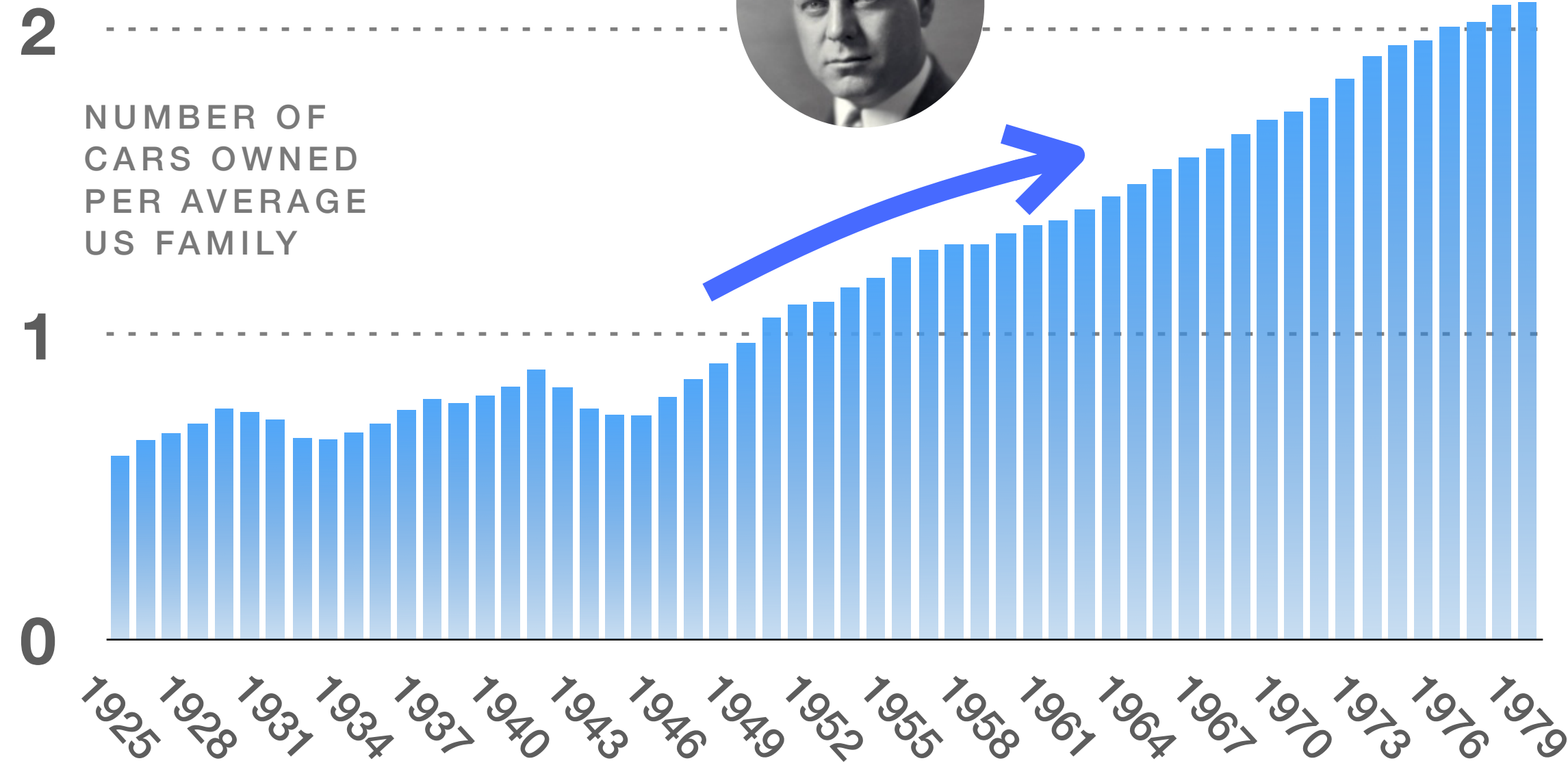
Source: @kpcb @johnmaeda #DesignInTech

<http://www.kpcb.com/internet-trends>



When Usage Increases Dramatically, Design's Strategic Value is Leveraged

GM Harley Earl
First VP of Design in Corporate America



THE FIRST INTERNET OF THINGS?

Federal Highway Act of 1952



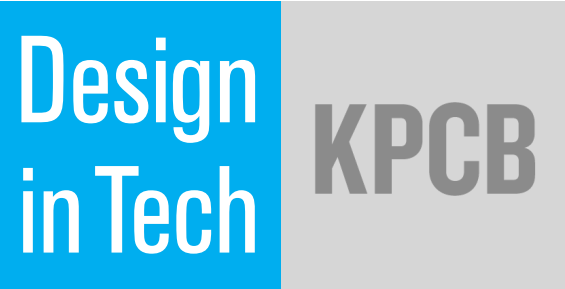
NATIONAL SYSTEM OF INTERSTATE AND DEFENSE HIGHWAYS

Via the USDOT Federal Highway Administration and U.S. Census Bureau

The advent of the Interstate Highway system enabled driving as a lifestyle choice — versus just filling the need of utility. GM hired the first VP of Design in the 50s to elevate the importance of design in driving and addressing new consumer demands for automobile designs.

Source: @kpcb @johnmaeda @wikipedia #DesignInTech

http://en.wikipedia.org/wiki/1950s_American_automobile_culture http://en.wikibooks.org/wiki/Transportation_Deployment_Casebook/History_of_the_Automobile:_Ownership_per_Household_in_U.S. <http://cta.ornl.gov/data/chapter8.shtml>



4

How do you become a
#Design(er)InTech?

It's Easy to Forget that #DesignInTech happens with #DesignersInTech

“Capital is being superseded by creativity and the ability to innovate — and therefore by human talents — as the most important factors of production. If talent is becoming the decisive competitive factor, we can be confident in stating that *capitalism is being replaced by ‘talentism’*...”

—**KLAUS SCHWAB** Founder of the World Economic Forum
via HuffPo

What is Design?

line, form, color, hierarchy, typography, composition, structure, planning, thoughtfulness, orderly, clever, obvious, simple, complicated, powerful, dream, mindshare, simple, minimalist, functional, utilitarian, pleasing, emotional, smile-inducing, better, purposed, functional, provocative, considered, crafted, problem-solving, innovative, useful, intuitive, legible, engaging, delightful, personal, beautiful, simple, informative, usable, crucial, relevant, clean, efficient, appealing, choice, function, beauty, elegance, empathy, functional, beautiful, exploratory, elegant, visual, communicative, customer-centered, functional, empathetic, simple., human, engaging, attractive, appealing, fluid, timeless, bold, kinetic, intentional, engagement, craft, thoughtful, empathic, understanding, empathy, ease, emotional, habit-forming, beauty, logical, balance, needed, forgotten, necessary, focused, hard, mixed, cohesive, humane, essence, idealistic, discrete, simple, imaginative, elegant, transparent, transformative, engaging, discovery, accessibility, use, focus, play, learn, pleasure, power, control, deep, enthusiasm, invisible, unity, collaborative, open-ended, fuzzy, clarifying, emergent, usable, beautiful, on-brand, delightful, inspiring, simple, useful, effective, memorable, subtle, clear, thoughtful, deliberate, essential, communication, testament, obvious, ocd, empathetic, human, creative, emotion, function, form, solution, intuitive, minimal, usable, delightful, creative, expressive, thoughtful, constrained, deliberate, intentional, considered, crafted, functional, desirable, insightful, iterative, obvious, understandable, contextual, holistic, planning, experience, care, awareness, process, playful, experimenting, delightful, emotional, natural, form, function, relationship, meaning, change, create, thoughtful, utility, delight, solution, invisible, visible, craft, appreciation, creation, individualistic, subjective, objective, inception, magical, simple, clean, working, elegant, beautiful, no-nonsense, timeless, deep, intentional, hierarchy, aesthetics, elegant, delightful, engaging, empathetic, respectful, disruptive, subtle, functional, graceful, meaningful, inspirational, intentional, empathetic, purposeful, elegant, natural, enduring, intuitive, efficient, sensual, tactile, minimal, functional, sensible, psychological, empathy, visual, interactive, interface, scenarios, synthesis, creative, voice, freedom, segregated, misunderstood, elitism, focused, transformational, redeeming, meditative, chicago, nike, jordan, stanford, believe, communication, conceptual, craft, bridge, empathy, considered, collaborative, inventive, creative, refine, improve.

From a study of 110 top designers in the tech industry.



X axis is not set
Y axis is not set

Show timelines



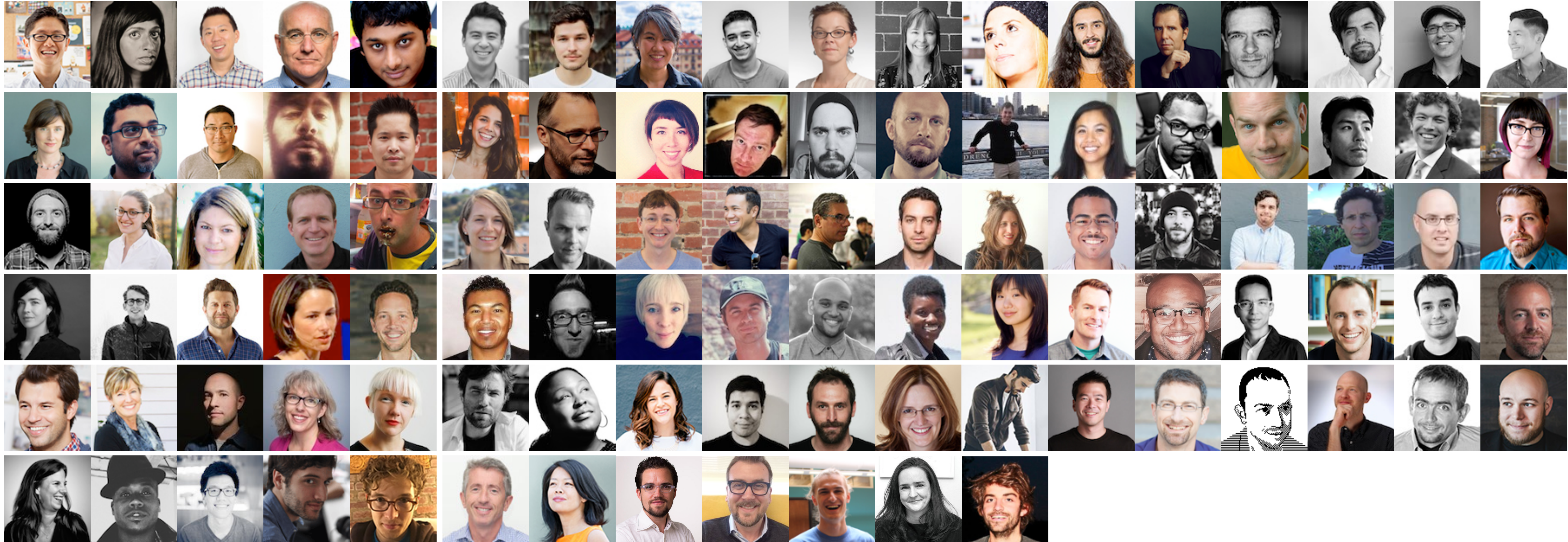
Source: @kpcb @johnmaeda @luminosinsight @havasi #DesignInTech

<http://kpcb.com/design>



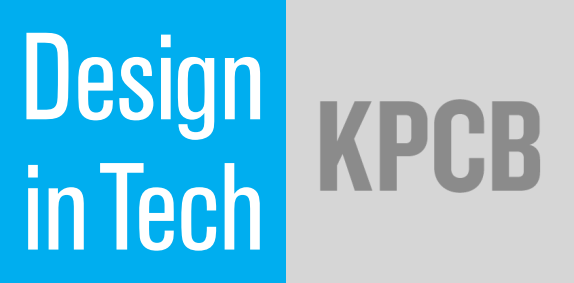
To learn more about #DesignInTech, we reached out to 110 designers working in tech to learn from them. There's still so much data we're going through ...

Clare Corthell, Deena Rosen, Parul Vora, Analia Ibargoyen, Jennifer Etter, Sarah Alpern, Kaaren Hanson, Fernanda Viegas, Kristy Tillman, Valerie Casey, Angel Steger, Karin Fong, Dawn Danby, Tina Roth Eisenberg, Jules Pieri, Sally Carson, Megs Fulton, Kegan Schouwenburg, Maria Giudice, Lindsay Mindler, Sarah M Oppelt, Candice Tse, Catherine Courage, Juliana Rotich, Tina Roth Eisenberg, Margret Schmidt, Helen Walters, Jeniece Primus, Nancy Duarte, Rochelle King, Cat Noone, Scott Dadich, John Maeda, David Schultz, Matias Duarte, Morgan Knutson, Alex Tam, Diogenes Brito, Dave Evans, Etan Lightstone, Peter Cho, Gentry Underwood, Dave Young, Johnnie Manzari, Marcos Ojeda, Ian Storm Taylor, Dan Harrelson, Tad Toulis, Max Gunawan, Doug VanderMolen, Chris Robinson, Randy J. Hunt, Dantley Davis, Chris Moeller, Jason Mayden, Joe Gebbia, Brian Schmitt, Mark Bauer, Damian Madray, Sean McLeary, Darren Chan, Jesse Harding, John Cary, Ethan Bodnar, Harold Hambrose, Wesley Yun, Rich Gioscia, Randall Hom, Uday Gajendar, Matthew Beebe, Dave Lippman, Jesse Pollak, Martin Wattenberg, Ronald Ro, Phil Gilbert, Andrew Hessel, David Dat Nguyen, Moses Ting, Jonathan Chen, Ivan Bercovich, Harper Reed, Kelly Sutton, Alessandro Sabatelli, Raphael Schaad, Donnie Dinch, Tim McCoy, Sash Catanzarite, Matt MacQueen, Marcos Weskamp, Ethan Trask, Bob Baxley, Justin Maxwell, Jonathan Lieberman, Mark Kawano, Tyler Murphy, Cap Watkins, Gilles Poupardin, Dominique Leca, Mike Davidson, Osandi, Scott Belsky, Michael Owens, Andrew Crow, Doug Evans, Sahil Lavingia, Brian C. McDonald, Stefan Klocek, Koen Bok, Raghava KK, Brandon Velestuk



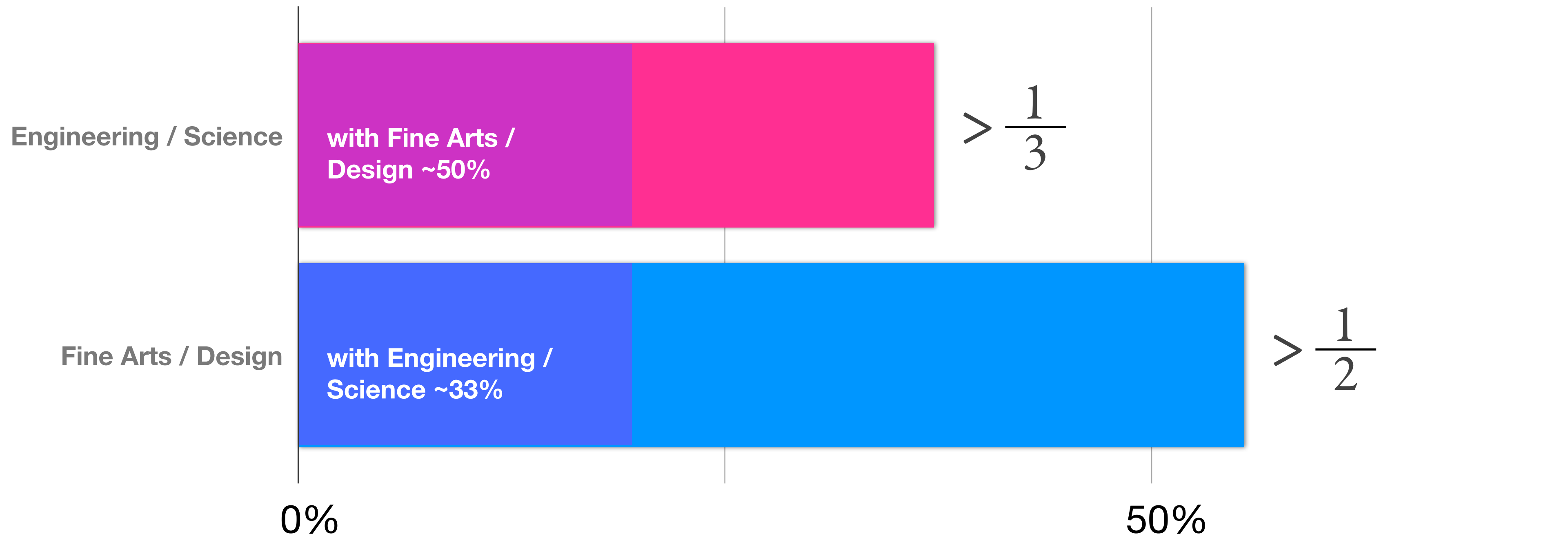
Source: @kpcb @johnmaeda @jshoe #DesignInTech

<http://kpcb.com/design>



Can an Engineer Become a Designer?

Over a third of successful designers surveyed in the tech industry had formal engineering/science training, and over a half had formal art/design training. There are those who can *do both*.



From a study of 110 top designers in the tech industry.

Source: @kpcb @johnmaeda @jshoe #DesignInTech

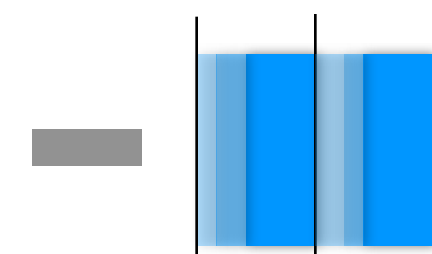
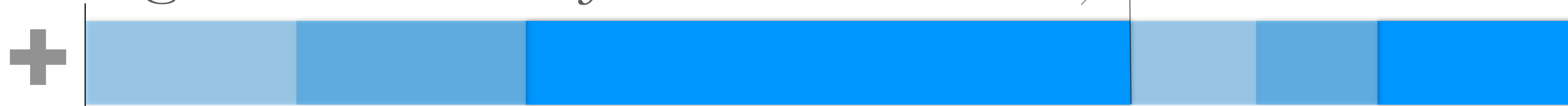
<http://kpcb.com/design>

Is Learning to Code of Use to a Designer?

Online study participants: Manuel Covarrubia, Tyler Howarth, Robb, Kenny Chen, Myriam Picovschi, Adeel Khalid, Ben Lee, Ruchi, Sam E, Sebastian, Alfred Lui, Rob Krugman, Kamel Kondili, Chris Long, Jairo Avalos, Mason Hastie, Abishek Raju, Chris Henderson, Morgan Vanderson, Mihai Vladan, Matias Kiviniemi, Jocelyn Lin, w, Fabinse Xavier, Barron Roth, Strahinja Todorovic, Mark Roland, Ian Goode, Jay Bowles, Claudius, Hoi Kee Wong, Sang Hyo Lee, Sohel Golwala, Rob Van Varick, Shar McLeod, Karen Chang, Nathan Garvie, Chris Chiusano, Ben Patterson, Gregg Bernstein, Riccie Janus, Anne-Marie C, Ege, Martha Willis, Jacqueline Minkler, Miquel Mora, Mathieu Parent, Veronica Ramos, Jonathan Kempf, Calvin Cheng, David Gelb, Caroline Konarkowska, Millie Lin Xinmin, Dan Parham, Neighborland, garth price, MiHyun Kim, Greta Castellana, Pizza, Jeremy Zilar, Austin Bernales, Jim MacLeod, Jennifer Williams, Ercument Gorgul, Robert Manukyan, Ryu, Pierre Rañon, Patrick Morrow, Daniela Pardo, JR, John Cross Neumann, Alie Jackson, Prithika Mohan, Gavin Wassung, Heath Montgomery, @monicaxmetal, Laura McGuigan, Marc Shillum, Jsheps, Asako Nagata, Chauncey Peppertoath, Nick Shank, Chris Brennan, Priscila Mendoza, Matt Rolandson, François Chay, Rob Hennigar, Anderson Bordim, Willem Van Lancker, Asutosh Kar, o, Zachariah Mattheus, Danny Tamez, Hilary Vlastelica, Jessica Jacobs, Chad Engle, Jesper Bröring, Gerard Dolan, David A. Holland, Michael J. Morgan, Mahir Yavuz, Ana Lisa Alperovich, Jeff Vlahos, Kelly Ann Art, Jason Scott, Alex Lloyd, Amy Ngai, Mark Haddon, K Markandeya, Georg Duemlein, Sandijs, Mara Sandoval, Subhrajit Das, francesca giordano, sarah withers, Giorgia Lupi, Lucy. P., guipei, Eric Keezer, Umesh Pandya, Divya Viswanathan, André Sirgado, Carolina Mora, Charles Smith, BadGenius, siuming, Matt Leach, Gopika Prabhu, Ken Hejduk, Nuno Belmonte, @pabsanch, Michael Held, Jae Johnson, Celia, J.B. Chaykowsky, Ti Chang, Andy Cowles, Jack Curry, E, Mark Jenkins, Jyothish Nair, Jessie McGuire, Mb, Chad Lockart, Manlo Ngai, Julie Bakopoulou, oriol, Andrea Limjoco, Willis, Vivek Sahi, Michael Seifert, Michele, Giorgio Martini, Harrison Telyan, William Deegan, Kim Goldberg, Robert Suarez, Jess Wainer, Andrea Small, Martina Maitan, Kelly Ann Mc Kercher, Joe Beirne, Joel Califa, Madeline Gannon, Ning Fang, Timothy Mohn, Mark Breneman, Takashi Okamoto, Gaurang Gupta, Wilbert Baan, Allison Druin, Aran Rhee, Sidney Blank, Mlbm, David Hoogland, Surbhi Bindlish, Fredy, Nicholas Evans, Jackie Lee, Cas Lemmens, Mae Reed, Aakash Kumar, Deanna Wood, Hawk Thompson, Linda Yang, Diane Menyuk, Peter Gahnström, Brian Clark, Sakura Moses, Nina Dinoff, Michelle Knoernschild, Molly Wilson, Bridgette Engeler Newbury, Reilly P. Brennan, Emily Tregunno, Michael Ryan, Jen Leonard, Kapil Solanki, Geoffrey Long, Matt MacQueen, Jackie Jantos, Anne Moreau, Todd Walker, Lynda Brown-Ganzert, Mary Deelsnyder, Sandra Colley, Emelyn, Bill Abel, Emily Privat, Jared Fanning, Liz Schmidt, Jeanny, Samantha Clark, Shani Sandy, Seth Hunter, Onur Umut, Andrew Conn, Kevin Dodson, Managing Director - Saltbox Studio, Austin, Stephan Ritter, DF Hobbs, Naveesh Khattar, Dave Rich, Steve Pell, Maxim, Tim Knowles, Michael Robertson, Pierre-Denis Autric, Neil Ramsay, Mike, Rocio Lopez, Roham Gharegozlou, Raj Yadav, Rimma Boshernitsan, Ahmed Riaz, Dakeisha Jenkins-Jenkins, Sadia Harper, Kafin Noe'man, Mokryun Baik, Seth Taylor, Christian Talmage, Priya Prakash, D4SC @priyascape, Yiming, Erick Mohr, Lisa Stuardi, Lisa Kay Solomon, Melanie Kahl, Indy Sen, Lori Landesman, Gaurav Anand, Gregory Bowler, Adam Harrell, Ana Medina, Doug Evans, Sachsé Jean-Baptiste, Saurabh Datta, Markus Hoppe, di wood, Jonathan Zong, Bö, Alex Tam, Christopher Smeder, Rishabh Sethi, Andrew Green, Arjun Sarode, Javier Diaz, Jon Alling, Rodrigo Del Castillo, p, Eivind Ingebrigtsen, Laurence Berry, Jeremy Mumenthaler, Lukasz Lysakowski, Emilie Jacob, Darren Chan, Harley Donaldson, Gökçen Keskin, Alisa Tribuleva, Lissa Streeter, sanjaya, Silvia, Saneef H. Ansari, Krozz Wu, Jacqueline Stetson Pastore, Kyungseok Hahm, Claudia, Enrique Allen, Fredrik Hurtig, Jonathan Bobrow, Peter Cuhalev, Ste Everington, Sofie Lindblom, Jason Herring, Maurice, Stuart Griffiths, Michael Lee, Gabriela Iglesias, Aaron Perry-Zucker, Kathryn McElroy, Reed Reibstein, Laura Martini, Jess Greco, Todd Zaki Warfel, Patrick N. Lewis, Tefo Mohapi, Bryan Chang, Brandon Nieves, Ben Weeks, Ivana Preiss, Jenelle Huddleston, Sian A. Morson, Andy Van Solkema, Borahm, Mark Chichester, Bethany koby, Valeska O'Leary, Prince Boucher, David G Nix, Robert J Neal, and a hundred more anonymous folks ...

“Coding skills can be useful.”

“Coding skills are absolutely essential.”



93.5%
of 370 designer respondents
were overall in favor of coding

JUNIOR MID SENIOR

codecademy

42.7%

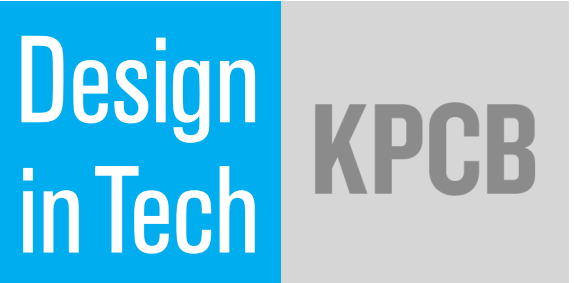
of Codecademy learners surveyed on March 2014 identified themselves as designers

23 million people learn how to code on Codecademy

370 designers were surveyed on whether coding was useful or not, and the response was overall favorable. If you asked me how designers might answer that question ten years ago, I would say that the answer would not be nearly as favorable — maybe 5%!

Source: @kpcb @johnmaeda @zsims @codecademy @twitter @typeform #DesignInTech

<http://kpcb.com/design>



Students in Business Schools are embracing Design wholeheartedly

 Light blue implies having a student-led design club

BusinessWeek (US) 2014	Rank	FT (Global) 2015
Duke (Fuqua)	1	Harvard
Pennsylvania (Wharton)	2	London Business School
Chicago (Booth)	3	Pennsylvania (Wharton)
<i>d.school</i> — Stanford	4	Stanford — <i>d.school</i>
Columbia	5	INSEAD — <i>MBA partnership with Art Center College</i>
Yale	6	Columbia
Northwestern (Kellogg)	7	IESE Business School
Harvard	8	MIT (Sloan)
Michigan (Ross)	9	Chicago (Booth)
Carnegie Mellon (Tepper)	10	Berkeley (Haas)

Almost unanimously

~~7 out of 10 in the~~ BW Top Ten US Business Schools have student-led design clubs

~~7 out of 10 in the~~ FT Top Ten Global Business Schools have student-led design clubs and/or design partnerships.

Source: @kpcb @jshoe @johnmaeda @wsj @dukembadesign @lbs #DesignInTech

<http://www.wsj.com/articles/do-business-school-rankings-matter-1425517222>

For Early Stage Startups, what is an ideal ratio of Designers : Engineers?

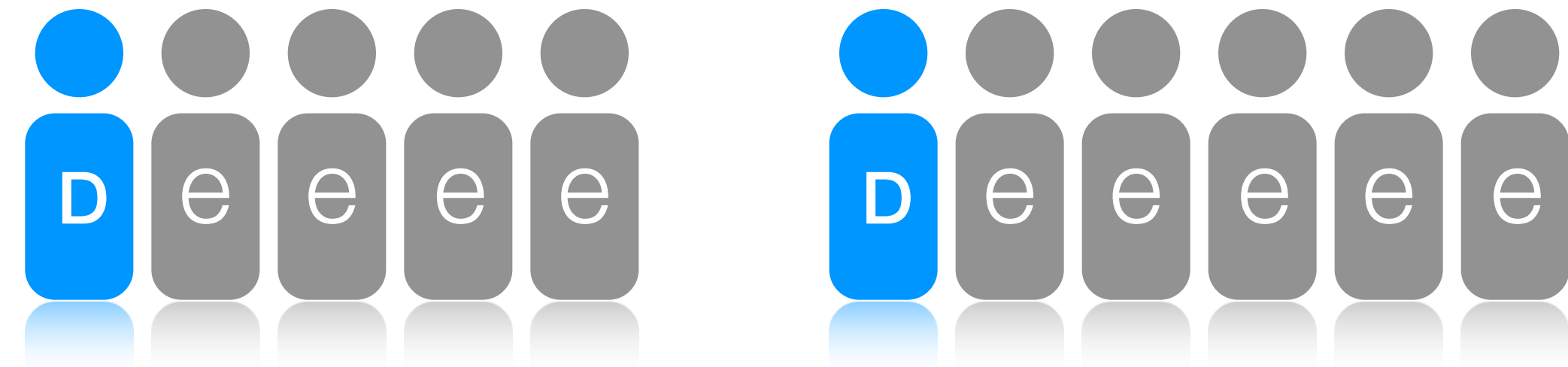
“Early hires heavily influence the company culture. So hire wisely!”

—*Jackie Xu, via LinkedIn*

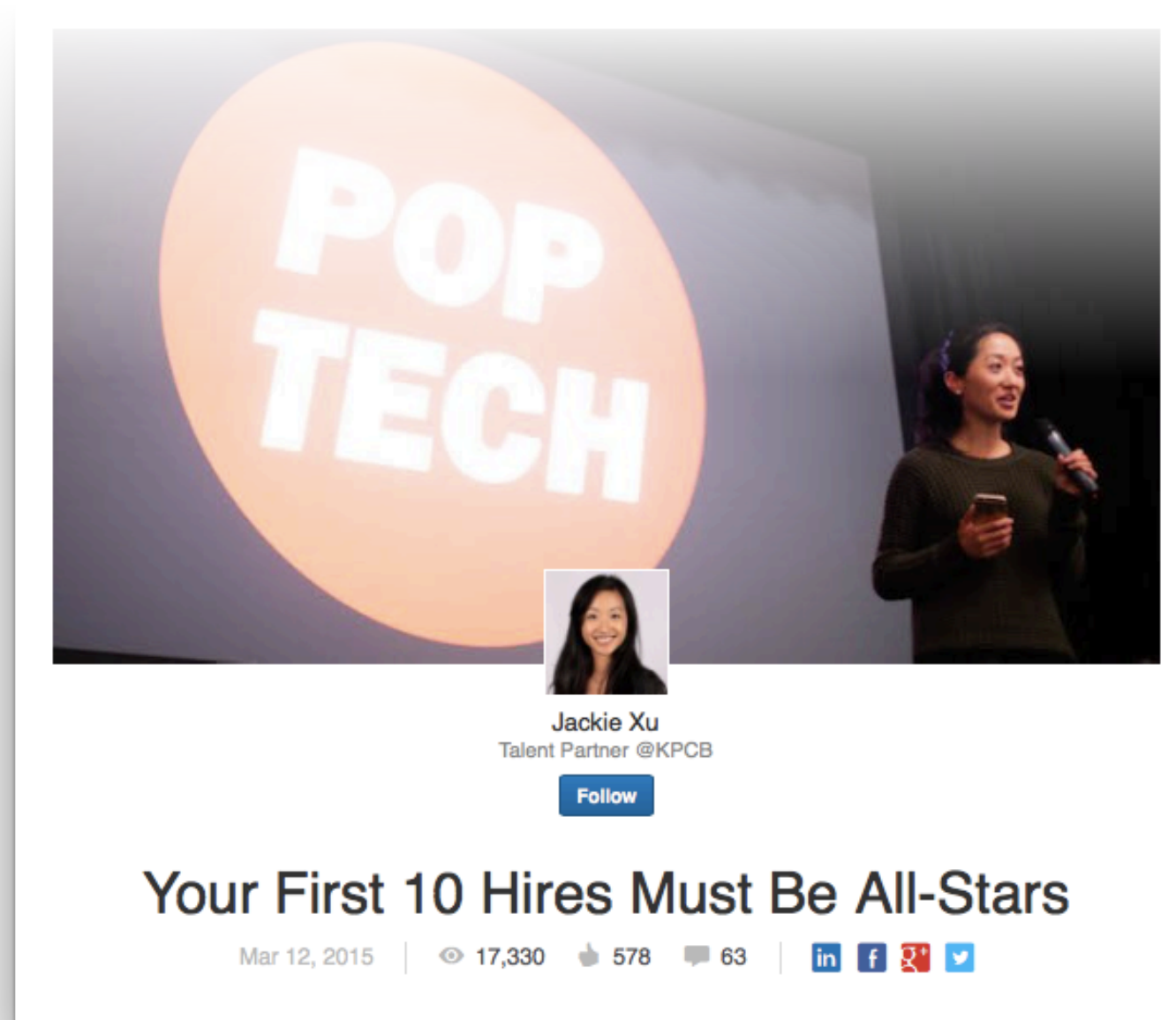
RATIO FOR EARLY STAGE,
DESIGN-CONSCIOUS STARTUPS

1:4 to 1:5

Designer : Engineers



note that this is a recent development



From a study of 110 top designers in the tech industry. 27% of those surveyed were Early Stage (capital raised of <\$10M), and reported designer:engineers ratios of 1:4 to 1:5. According to KPCB Talent Partner Jackie Xu, this ratio used to be closer to 1:15, or even 1:30.

Source: @kpcb @jshoe @johnmaeda @poptech #DesignInTech

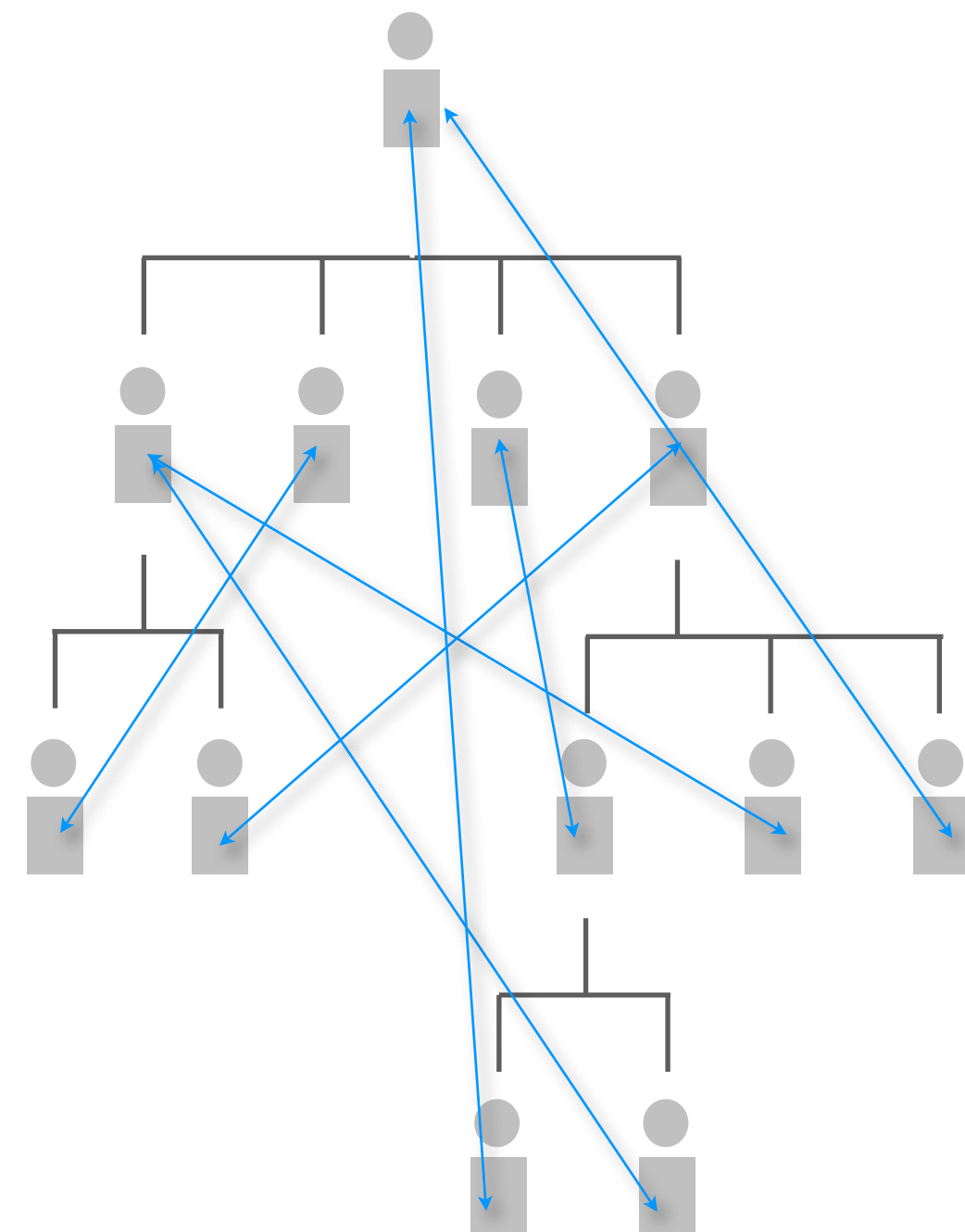
<http://kpcb.com/design> <https://www.linkedin.com/pulse/5-tips-building-amazing-team-jackie-xu?trk=prof-post>

When the CEO cares about Design, Progress gets made Fast




“Top-down sponsorship AND bottoms-up effort is essential to make meaningful culture transformation progress.”

—Dane Howard, via LinkedIn



Pulse



Dane Howard
Director, Global Brand Experience & Design at eBay Inc

STANFORD GRADUATE SCHOOL OF BUSINESS

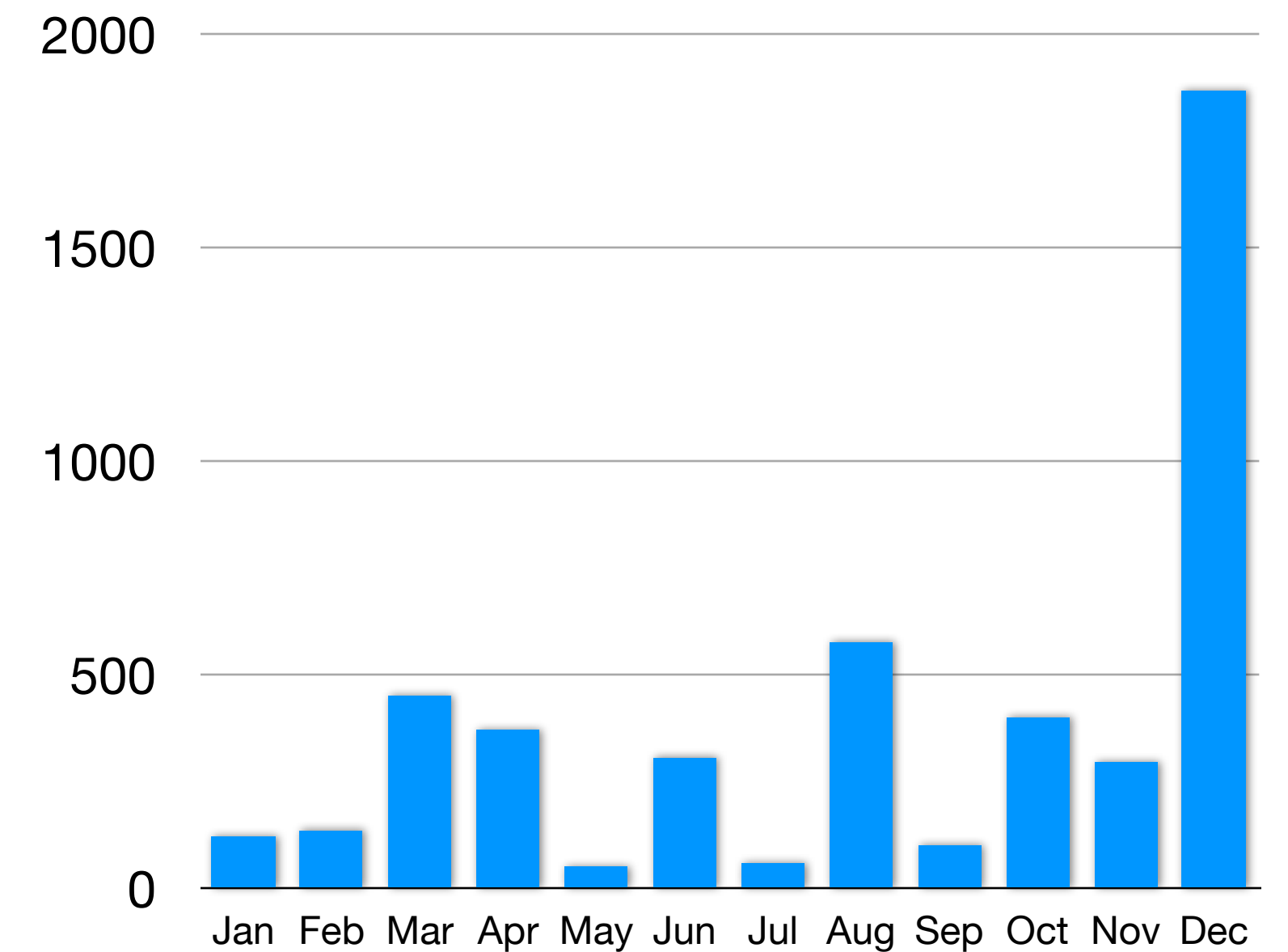
When Your CEO cares about Design

Jan 19, 2015 | 11,399 views | 588 likes | 55 comments

Essential Ingredients for Culture Transformation & Momentum

In 2014, I was thrown into the center of something rare & extraordinary. I was asked by our executive leadership to help #activatedesign across all of eBay's companies.

NUMBER OF EBAY INC. DESIGNERS, RESEARCHERS, PMs, WRITERS, EXECUTIVES ENGAGED OVER 2014



Google “design playbook”

Stanford Graduate School of Business Case Study is forthcoming in 2015. Key leaders: John Couch, Uris Dacosta, Dave Lippman, Billy Seabrook.

Source: @kpcb @johnmaeda @danemhoward @beckybermont @ebayinc #DesignInTech

<http://designobserver.com/feature/building-a-design-culture-in-an-end-up-technology-world/38473/>



5

Final Thoughts

Good mixes the Old with the New

“OLD”

“good”

“NEW”

Combining Design, Tech, and Business: Example 2 (18th c)

“Vernis coffee house chair”
50,000,000
Thonet No. 14 chairs have been sold since 1859.

36 Thonet No. 14 chairs could be disassembled to fit into a smaller metal shipping container.

Michael Thonet achieved a vertically-integrated, global furniture company with patented technology for bending wood with steam in the 1850s. Thonet had distributed manufacturing across Eastern Europe and sales offices from Hamburg to Rome to Moscow to New York by the 1870s.

Source: @kpcb @johnmaeda @thonet_gmbh @VCA_News @DesignInTech

When Usage Increases Dramatically, Design's Strategic Value is Leveraged

THE FIRST INTERNET OF THINGS?
Federal Highway Act of 1952

Harley Earl
First VP of Design in Corporate America

NUMBERS OF CARS OWNED PER AVERAGE AMERICAN

Source: @kpcb @johnmaeda @kajipedia @DesignInTech

#DesignInTech M&A Activity

NUMBER OF DESIGNER CO-FOUNDED TECH COMPANIES

Mobile was the inflection point for #DesignInTech

Flickr, Android, YouTube, Vimeo, +acq. for \$1.65B

Mint

+acq. for \$1.0B

2010 to the Present

- Fab Level Money
- Polar
- Unusual W/Call
- Beats
- Radmill
- Simple Sold
- Tankle
- Palte
- Mullion
- Foodspotting
- Fourt
- Babooze
- Acrylic Software
- Sparrow Mail
- Shelby
- Instagram
- OMGPOP
- Pastorize
- Gowalla
- Hindr
- Push Pop Press
- Daym
- about.me
- Songza

27 startups that were co-founded by designers have been acquired since 2010 by companies like Google, Facebook, Adobe, LinkedIn, Dropbox, and Yahoo.

Designing for mobile brought new design and engineering constraints compared with the desktop: 1. Limited computing power, 2. Smaller display → harder to read, 3. Can't rely on network connection, 4. No "hover" state (no mouse), 5. Hand covers screen when using, 6. Apps silo user data.

Source: @designerfund @kpcb @johnmaeda @jshoe @raphaelschaad @flipboard #DesignInTech

Combining Design, Tech, and Business: Example 1 (21st c)

Thursday, August 04, 2011
Karl Weimer, @karlweimer.com
Uberbank: Makers inspired by Apple's

November 03, 2011
Adam Szalay and Peter Burrows, @szalay
Apple's Supply-Chain Secret: Hard Lasers

June 25, 2012
Jeff Young and Josh Fitzgerald, @jeffyoung
How Apple's Decision To Buy Aluminum From Australia Forced Microsoft To Build Its Own Tablet

Apple's MacBook unibody was released in 2008 and enabled the shedding of nearly 50% of the parts needed from the previous generation.

Source: @kpcb @johnmaeda @DesignInTech

User Experience matters so much, because we are Experiencing so much.

3AM
once in the morning
one interaction, one "ouch"

4PM
once in the evening
just two ouch points

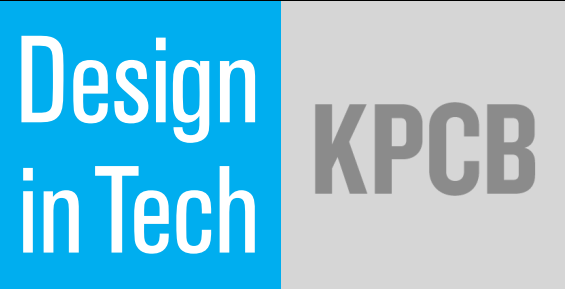
150 unlocks = checking your phone every 5.6 minutes

A pain point can become a "pain plane" on mobile. That's a lot of ouch.

Source: @kpcb @johnmaeda @kajipedia @DesignInTech

27 startups that were co-founded by designers have been acquired since 2010 by companies like Google, Facebook, Adobe, LinkedIn, Dropbox, and Yahoo.

Source: @kpcb @johnmaeda #DesignInTech



Industry's Indication of Design's Value sits at the Very Top in the Old (and New)

2014 Fortune 500 list (excerpt)

Apple uniquely has the only SVP of Design

1 Wal-Mart Stores, Exxon Mobil, Chevron, Berkshire Hathaway, **5 Apple**, Phillips 66, **7 General Motors**, **8 Ford Motor**, **9 General Electric**, Valero Energy, AT&T, CVS Caremark, Fannie Mae, UnitedHealth Group, McKesson, Verizon Communications, Hewlett-Packard, J.P. Morgan Chase & Co., Costco Wholesale, Express Scripts Holding, Bank of America, Cardinal Health, **23 International Business Machines**, Kroger, Marathon Petroleum, Citigroup, Archer Daniels Midland, AmerisourceBergen, Wells Fargo, Boeing, **31 Procter & Gamble**, Freddie Mac, Home Depot, Microsoft, Amazon.com, **36 Target**, Walgreen Co., WellPoint, **39 Johnson & Johnson**, American International Group, State Farm Insurance Cos., MetLife, **53 PepsiCo**, Comcast, United Technologies, Google, ConocoPhillips, Dow Chemical, Caterpillar, United Parcel Service, Pfizer, Lowe's Companies, Intel Corporation, Energy Transfer Equity, L.P., Cisco Systems, Inc., Enterprise Products Partners L.P., Aetna Inc., **58 The Coca-Cola Company**, Lockheed Martin Corporation, Best Buy Co., Inc., The Walt Disney Company, CHS Inc., Sysco Corporation, FedEx Corporation, Merck & Co., Inc., INTL FCStone Inc., Safeway Inc., Johnson Controls, Inc., Ingram Micro Inc., Plains GP Holdings, L.P., World Fuel Services Corporation, Prudential Financial, Inc., Humana Inc., The Goldman Sachs Group, Inc., Tesoro Corporation, Liberty Mutual Holding Company Inc., Honeywell International Inc., United Continental Holdings, Inc., HCA Holdings, Inc., Deere & Company, Delta Air Lines, Inc., Oracle Corporation, Morgan Stanley, Hess Corporation, Twenty-First Century Fox, Inc., E.I. du Pont de Nemours and Company, Sears Holdings Corporation, New York Life Insurance Company, Mondelez International, Inc., American Express Company, Nationwide Mutual Insurance Co., The Allstate Corporation, Tyson Foods, Inc., Supervalu Inc., TIAA-CREF, Massachusetts Mutual Life Insurance Company, CIGNA Corporation, DIRECTV, General Dynamics Corporation, Philip Morris International Inc., **101 3M Company**, Time Warner Inc., Halliburton Company, Publix Super Markets, Inc., International Paper Company, McDonald's Corporation, Macy's, Inc., The TJX Companies, Inc., Fluor Corporation, Northwestern Mutual Life Insurance Company, Inc., Tech Data Corporation, American Airlines Group Inc., The Hartford Financial Services Group, Inc., The Travelers Companies, Inc., **115 Nike, Inc.**, Occidental Petroleum Corporation, Avnet, Inc., Rite Aid Corporation, Exelon Corporation, Qualcomm Inc., Emerson Electric Co., Northrop Grumman Corporation, Duke Energy Corporation, **124 Capital One Financial Corporation**, Aflac Inc., Raytheon Company, Staples, Inc., EMC Corporation, ...

Thirteen (10%) of the 2014 Fortune 125 companies **have executive-level positions or CEO support for design.** Note that Nike's CEO is a designer.

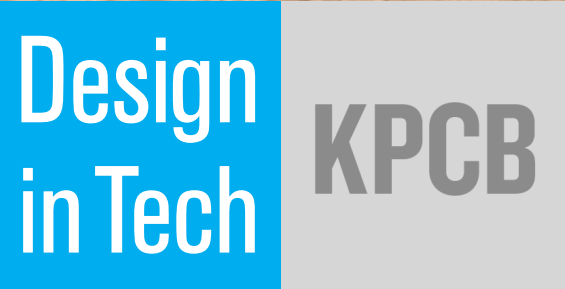
Source: @kpcb @johnmaeda @fortunemagazine #DesignInTech

<http://fortune.com/fortune500/>

1st gen was about Computing for Tech-ies. Those days are all over.



Source: @kpcb @johnmaeda #DesignInTech



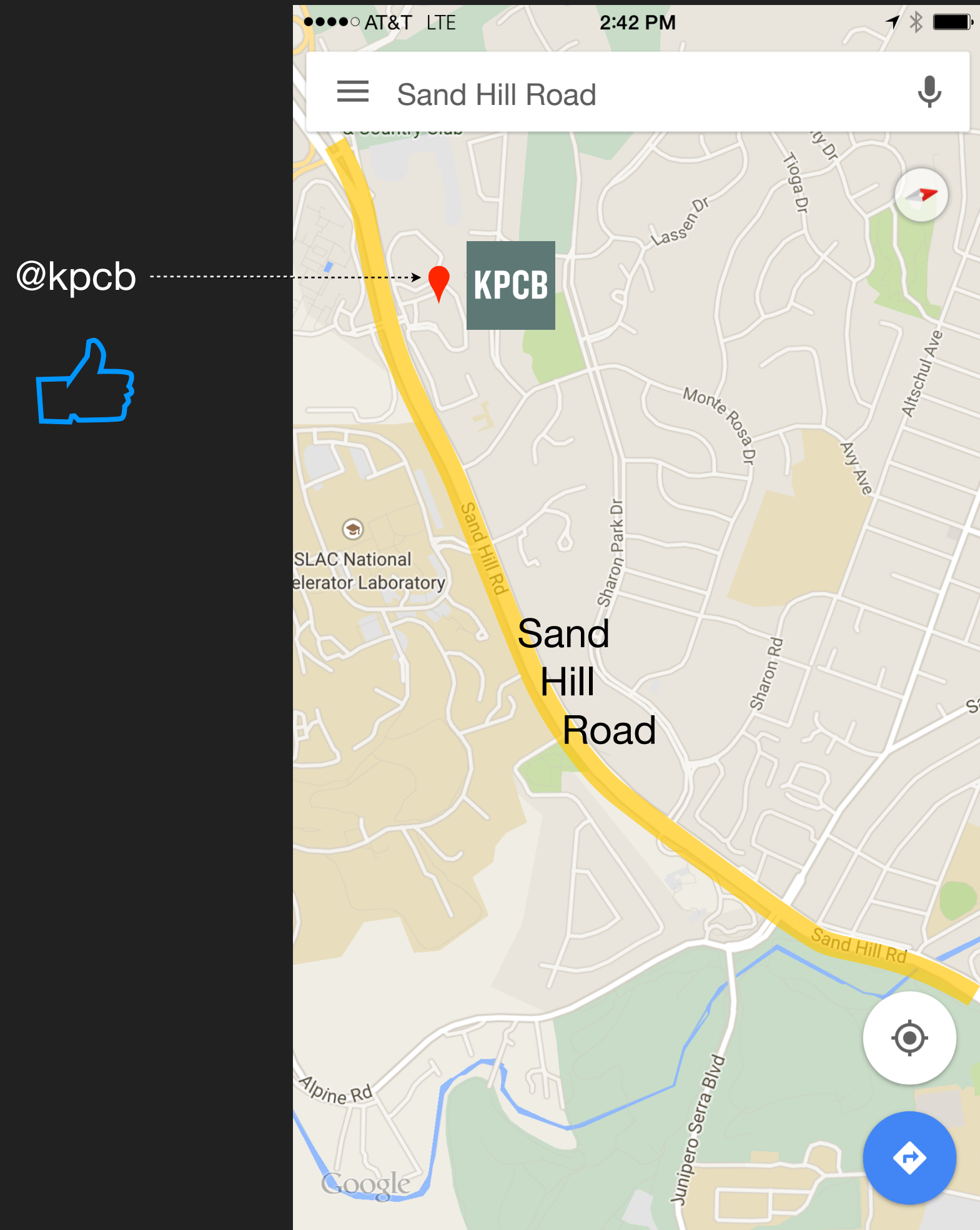
New gen is about Computing for Regular People. They all like #DesignInTech.



Source: @kpcb @johnmaeda #DesignInTech



Disclosure



This presentation has been compiled for informational purposes only and should not be construed as a solicitation or an offer to buy or sell securities in any entity.

The presentation relies on data and insights from a wide range of sources, including public and private companies, market research firms, market research firms, and industry professionals. We cite specific sources where data are public; the presentation is also informed by non-public information and insights.

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