Beyond Fad, Women as Best Practice:

The Path to a More Diverse and Competitive Tech Industry

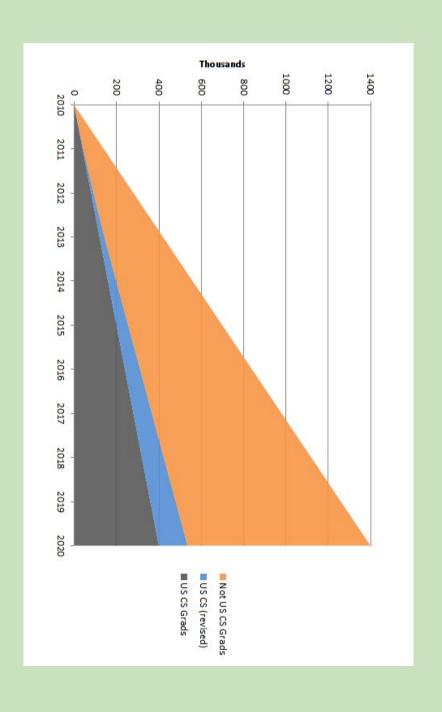
NICE November 6, 2018 Tracey Welson-Rossman

Why Do We Need More Women in the Tech Workforce?

Plain and Simple.

We need them.

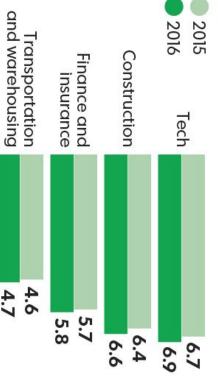
Too Many Open Job Postings, Not Enough Candidates



Not Enough Job Applicants

PLENTY OF TECH JOBS - AND THEY'RE GROWING

Number of tech jobs compared to other major industries (in millions)

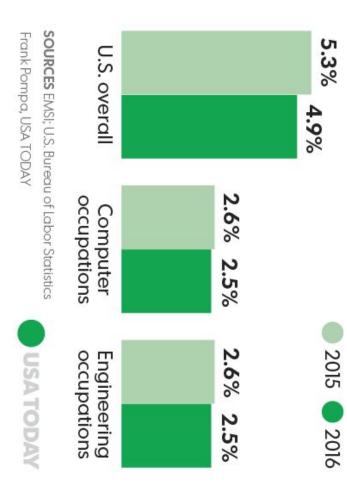


Arts, entertainment

and recreation

2.2

Tech jobless rate is far below nation's average



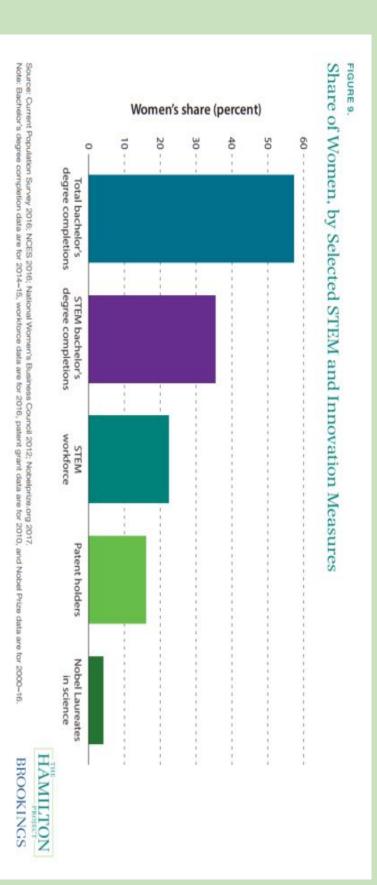
Diverse Teams, Better Products



Being around people
who are different from
us makes us more
creative, more diligent
and harder-working

*Scientific American research 2014

Affects the Innovation Pipeline





Better Paying Jobs, Better for the Economy



But Where are The Women in Tech?

Women earn 57% of Bachelor Degrees

Women earn 18% of Computer Science Degrees

Women are 12% of Software Engineers, nationally







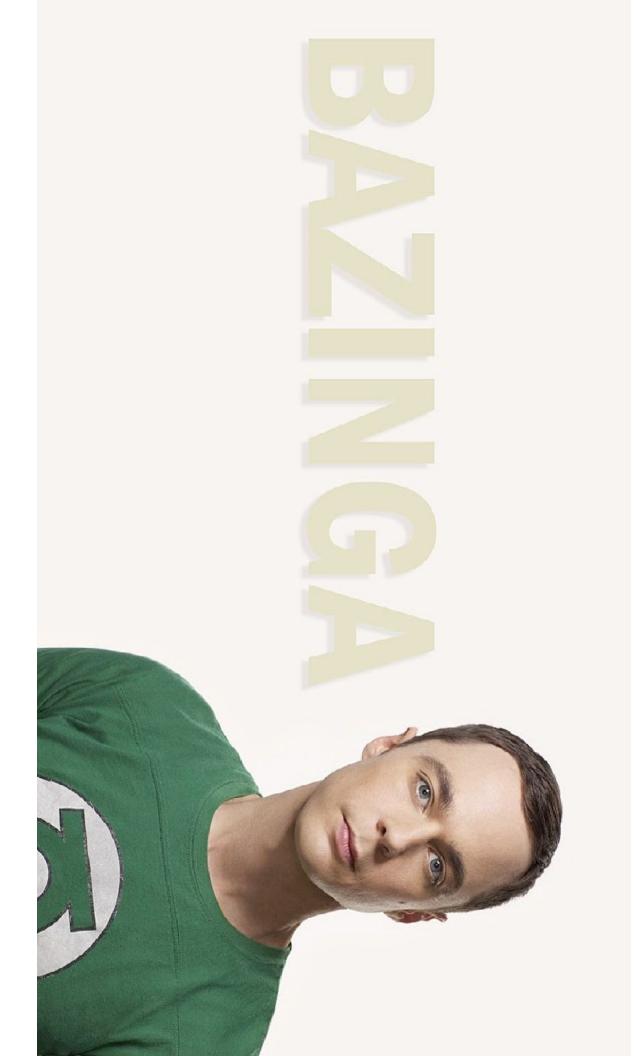
Images of technology workers

Portrayal of technology work

Girls can't be smart
Support at Home

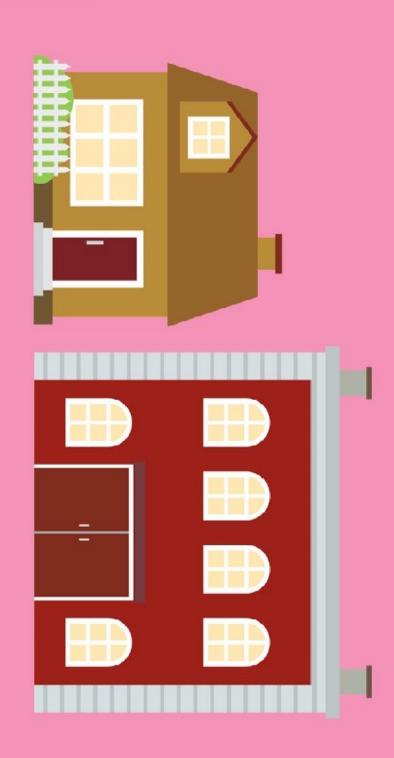
School coursework

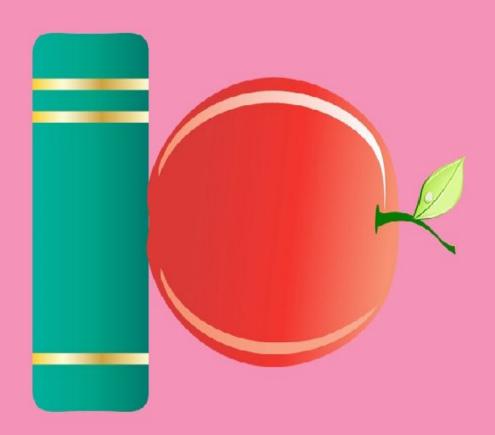
Value at work

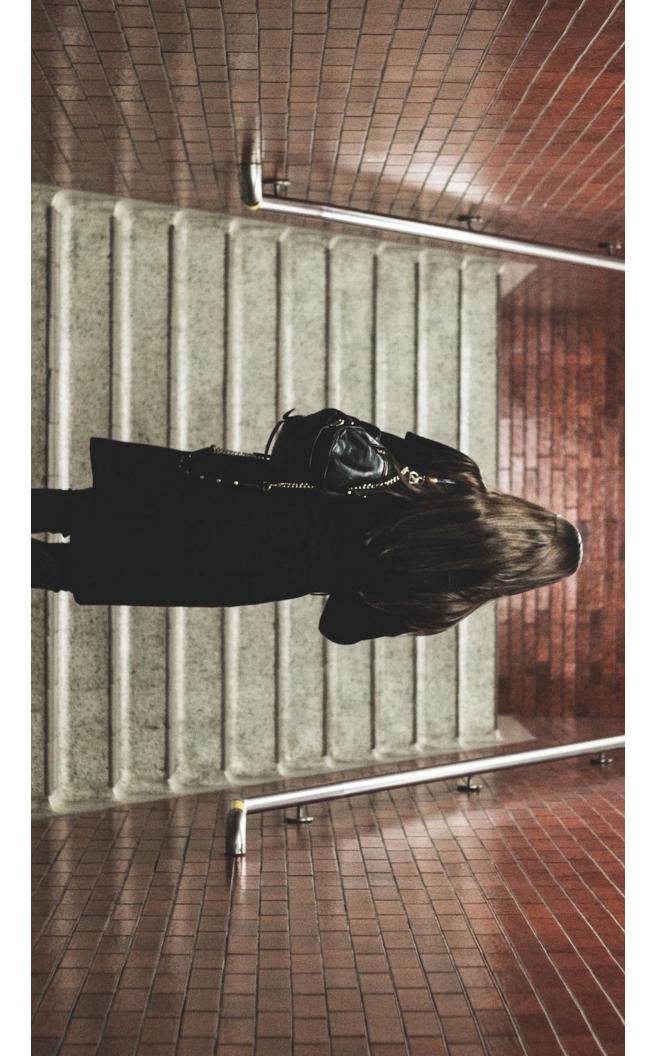


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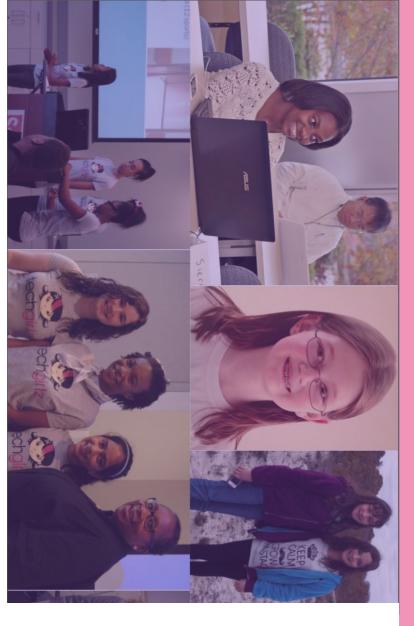




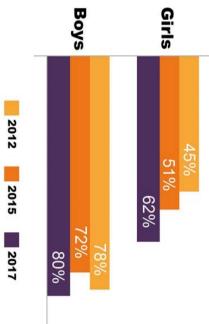




Are Middle School Girlz Part of the Answer?



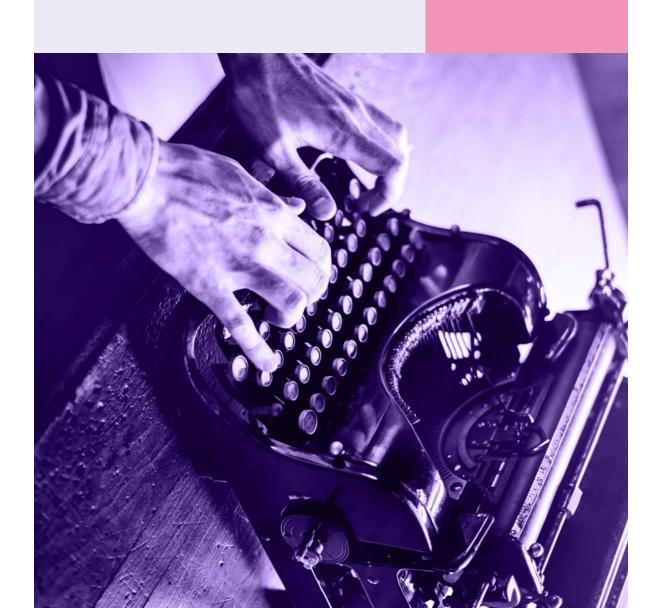
NET Interest in Considering a Career in IT



Base: 1,006 U.S. respondents age 13-17, Boys=500, Girls=506

Change the Script

What happens when we ask girls how they want to learn tech?



TechShopz in a Box offerings



Types of workshops offered:

Tell Your Own Story with Graphics

Animation and Graphics with Python

Digital Mapping for Humanity

speak for themselves Results



about TechShopz of TechGirlz are enthusuastic



and want to learn more after attending a TechShop of TechGirlz are comfortable with tech

Engineering, and Computer Science but the most interest is in Business, TechGlrlz can choose from a variety of careers













Quotes from the Girls

that girls CAN be a great coder." "I really think that I want to be a coder after hearing the helpers stories and actually learning

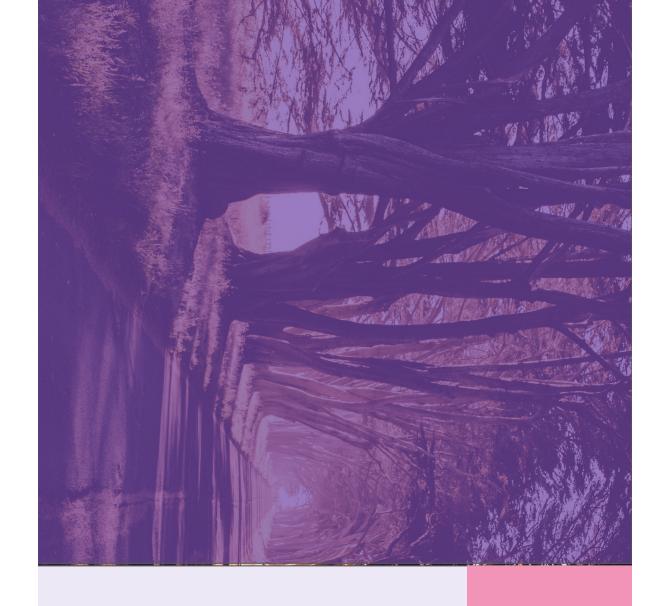
I'm a mini version of him" "I learned more coding, so by the time I'm 20 I can make video games like my uncle, who says

"I liked that it was a hands on activity about what we were learning"

the way that they interact with us." "I like the togetherness, the way everyone feels welcome, the patience that instructors have and

friends." "I like learning about hacking and communication with other computers. I also made some

10,000 Girls and Growing



Only the start of The Path

If we have inspired them to learn at 11-14, then what? How do we continue

How do we continue moving them along to high school, college and beyond?

5 Things You Can Do

- Champion a woman in your organization
- Encourage continuing education and attendance at conferences
- Provide meaningful internships or apprenticeships
- Discuss, and change or add where needed, policies or benefits
- Volunteer at an organization like TechGirlz

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