This list was compiled by the she++ core team and is current as of July 2012. Please contact Ellora Israni (ellora@stanford.edu) or Ayna Agarwal (ayna1@stanford.edu) with questions.

Numbers

At Stanford, computer science is the most popular undergraduate major--220 students declared CS during the 2012-2013 academic year. The introductory CS106A class is 40% female, but that drops to 30% in the subsequent CS106B and 20% in CS107. The major is approximately 12 percent female.

As of Marissa Mayer’s appointment as Yahoo! CEO, there are only 19 Fortune 500 companies run by women.

From the National Center for Women & Information Technology scorecard:

- In the U.S. in 2009, women earned 57% of all undergraduate degrees, 52% of all math and science degrees, 59% of the undergraduate degrees in biology and 42% of mathematics degrees, but only 18% of all computer and information sciences undergraduate degrees.
- Women’s quit rate in technology exceeds that in other science and engineering fields; 56% of women in technology companies leave their organizations at the mid-level point (10-20 years) in their careers.
- 57% of the professional occupations were held by women in the workforce, but 25% of the computing workforce were women in 2011.
- In 2011, 56% of AP test-takers were female, 46% of AP Calculus test-takers were female, and only 19% of AP Computer Science test-takers were female. There is a direct correlation with success in math and success in computer science.
- 1.4 million computer specialist job openings are expected in the U.S. by 2020.

The Kauffman Foundation:

- Despite the fact that about 46 percent of the workforce and more than 50 percent of college students are female, they represent only about 35 percent of startup business owners.

The Girl Scouts of the United States (statistics based on a group of 850 girls supplemented by literature and past research):

- 74% of girls were interested in STEM fields and subjects.
• About half of all girls feel that STEM isn’t a typical career path for girls. 57% of girls say that if they went into a STEM career, they’d have to work harder than a man just to be taken seriously.
• 81% of STEM girls are interested in pursuing STEM career, but only 13% say it is their first choice

Women in Computer Science, an Ethnographic Study of Women in Computer Science at Stanford University:
• In 2010, only 15% of all computer science undergraduates were female
• Nationwide, in 1984, 37% of computer science undergraduates were female
• According to the Anita Borg Institute, in 1999, less than 20% of computer science undergraduates were female
• Significantly more women who have parents or siblings in computer science or EE pursue a degree in the respective fields

Quotes

We know how to fix this. 

Telle Whitney, CEO, Anita Borg Institute at she++ 2012

From Marrisa Mayer, CEO, Yahoo!:
• There's all kinds of different women who do this. You can wear ruffles; you can be a jock, and you can still be a great computer scientist, or a great technologist, or a great product designer. (CNET Panel Interview 2012)
• [I] worry a lot of times the conversation gets really focused on what percentage of the pie is women. And the truth is, the pie isn't big enough. We're not producing enough computer scientist. We're not producing enough product designers. We need a lot more people to keep up with all of these gadgets, all of this technology, all these possibilities. (CNET Panel Interview 2012)
• People ask me all the time, 'What is it like to be a woman at Google?' I'm not a women at Google; I'm a geek at Google. And being a geek is just great. (CNN Interview 2012)

From Sheryl Sandberg, COO, Facebook:
• We don't raise our daughters to be as ambitious as our sons. Last month, there were t-shirts sold [at Gymboree] that said 'Smart like Daddy' for the boys and 'Pretty like Mommy.' Not in 1951. Last month,
• As a woman becomes more powerful and successful she gets less liked—the opposite of men
• In the midst of what is a very serious employment issue in the country, there’s a field here that’s dying for more very well qualified people.

Tina Fey:
• The main piece of advice I try to offer is, if you're in a male dominated workplace: don't get too comfortable being the only woman in the room. Remember to try to find
opportunities to bring other women in - to throw the rope down. It's a dangerous thing to think: 'I'm the woman in this room, so that's my role.' I try to tell young women - don't be tricked into thinking that you're in the field to compete with other women.

**From she++ 2012 (paraphrased)**

Tracy Chou, Software Engineer at Pinterest:
- Believe in yourself. You’re better than you think you are.

Jocelyn Goldfein, Director of Engineering, Facebook:
- Fake it till you make it. That propels reality into being.

Kimber Lockhart, Software Engineer, Box:
- You WILL do well.

Telle Whitney, CEO, Anita Borg Institute
- Join the women’s organization and ask for help. I was reluctant to do this because I didn’t want to be singled out as a woman.