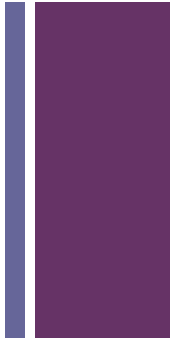


Why I'm an Engineer

Alya Elhawary

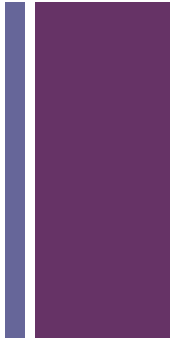
+ How I Began My Career



+ My Background



+ What I do now



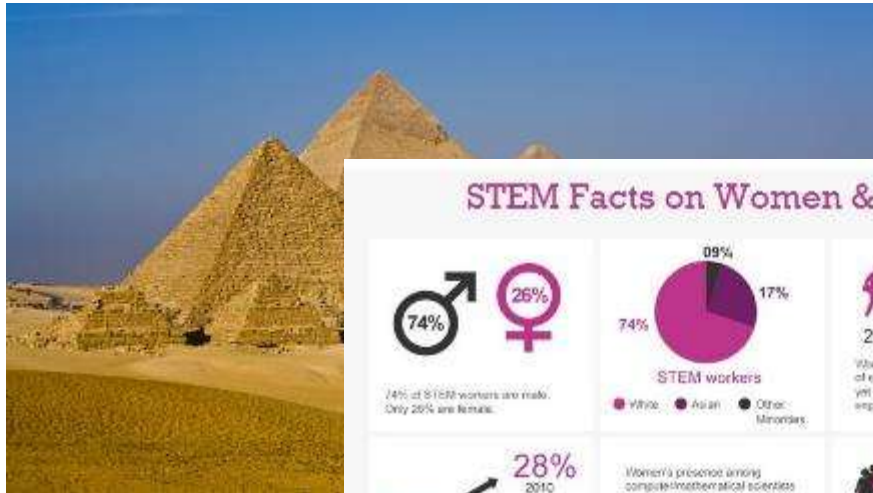
+ How I got here



+ What I do besides work



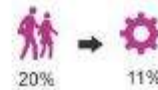
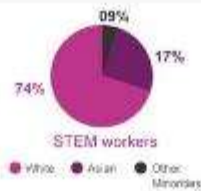
+ Challenges Then & Now



STEM Facts on Women & Girls



74% of STEM workers are male. Only 26% are female.



Women comprise more than 20% of engineering school graduates, yet only 11% of practicing engineers are women.



Women were 28% of all workers in S&P occupations in 2010, up from 21% in 1993.

Women's presence among computer/mathematical scientists declined from 31% to 20% over the period, but only because men's rate of growth in this area was higher than women's. The number of women working in computer/mathematical sciences has increased more than in any other broad occupational area.



Of 100 female bachelor students, 12 graduate with a STEM major but only 3 continue to work in STEM fields 10 years after graduation.

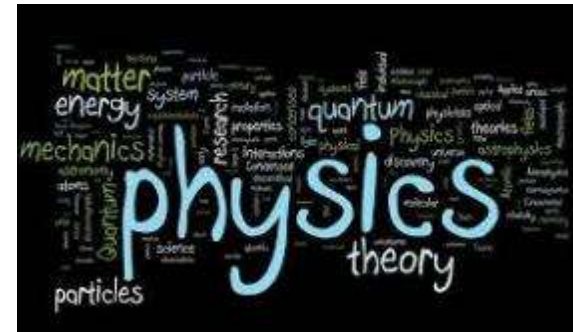
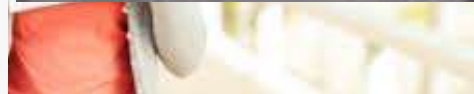


The wage gap between women and men is much smaller in STEM occupations than other occupations. In STEM fields, women earn \$0.92 for every \$1 earned by men, compared to \$0.77 for other fields.



Although women fill close to half of all jobs in the U.S. economy, they hold less than 25 percent of STEM jobs.

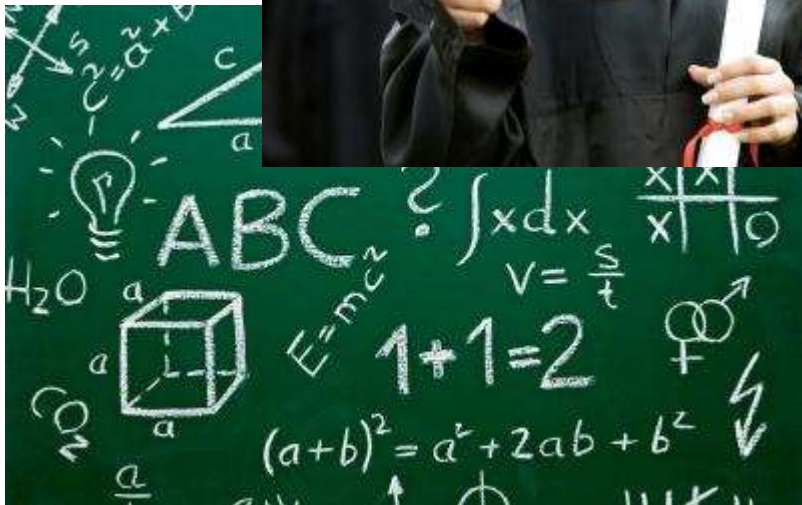
Women with STEM jobs earned 35 percent more than comparable women in non-STEM jobs, considerably higher than the STEM premium for men. As a result, the gender wage gap is smaller in STEM jobs than in non-STEM jobs.



+ It's Worth It



+ What you need to do



+ Most Important

