



**Washington Sanitation had their
first conference for women in
technology.**



Women in Technology

July 25, 2017
RGH Auditorium

Stats from National Center for Women & Information Technology

Percentage of Professional Occupations

- 57% of professional occupations in 2016 US workforce were held by women
- 26% of professional computing occupations in the 2016 US workforce were held by women
- 20% of Fortune 100 CIO positions were held by women in 2016

2024 Computing Related Job Openings

- 1.1 million US computing related job openings expected by 2024
- 45% of these jobs could be filled by US computing bachelor's degree recipients by 2024

Advanced Placement (AP)

- 56% of AP test-takers in 2016 were female
- 47% of AP calculus test-takers in 2016 were female
- 23% of AP computer science test-takers in 2016 were female

Intel Science and Engineering Fair (ISEF)

- 61% of 2016 ISEF finalists in biology categories were female
- 32% of 2016 ISEF finalists in mathematics were female
- 31% of 2016 ISEF finalists in computing were female

Undergraduate Studies

- 57% of 2015 bachelor's degree recipients were women
- 18% of 2015 Computer & Information Sciences bachelor's degree recipients were women
- 16% of 2015 computer science bachelor's degree recipients were women
- 37% of 1985 computer science bachelor's degree recipients were women
- 21% increase in the percentage of 1st year undergraduate women interested in majoring in computer science between 2000 and 2015

Percentage of Computing Workforce

- 26% of 2016 computing workforce were women
- 3% of 2016 computing workforce were African-American women
- 5% of 2016 computing workforce were Asian women
- 2% of 2016 computing workforce were Hispanic women

Stats from The Muse.com

Social Media and Social Gaming

- 55% of Facebook and Twitter users are female
- 60% of Zynga social gaming players are female
- The average social gamer is a 43-year-old woman

Tech World is a Boys Club

- 28% of proprietary software jobs are held by women
- 25% of IT jobs are held by women
- 11% of executives at Fortune 500 companies are women
- 5% of tech start-ups are owned by women
- 40% of women believe that companies do not spend the right amount of time addressing diversity
- 82% of men believe that companies do spend enough time addressing diversity

Women Breaking Down the Door

- 41% of Harvard sophomores who declared computer science as a major were women
- 18-20% of all engineering students are women
- 35% of undergraduates at UVA's school of engineering are women

More Women, More ROI

- Fortune 500 companies that had at least 3 women saw:
 - 53% increase in average return on equity
 - 42% increase in return on sales
 - 66% increase in return on invested capital
- 400 women led companies raised more than \$5 billion in equity financing, including 10 IPOs
- 80% of springboard companies are still in business, generating \$4 billion in revenues

Women Business Owners

- Women are starting businesses at a rate of 1.5 times the national average
- 187 million worldwide are currently starting or running a business enterprise
- Women entrepreneurs begin with about 1/8th the funding of male-owned ventures
- Women operated, venture backed companies have 12% higher revenues than those operated by men

Closing Point

Reducing female attrition in STEM by 25%
would add 220,000 people to the talent
pool