Empowering High School Girls in STEM

Women in Deep Learning #DLSummerSchool2016

Khimya Khetarpal
Perceptual Computing Engineer @Intel
"Women remain underrepresented in the science and engineering workforce, although to a lesser degree than in the past, with the greatest disparities occurring in engineering, computer science, and the physical sciences" - NSF, Science & Engineering Indicators, 2016
Initiatives
The start of my little bit
The start of my little bit
The start of my little bit

1 in 5

1 in 8

1 in 4

1 in 5
The start of my little bit
The start of my little bit

• Hands on programming
• **Introduction to OpenCV** – When in high school “OpenCV is SO COOL” 😊
  • Wonder what they think of deep learning!
The start of my little bit

- Number of girl students : 10 / 40
The start of my little bit

• Number of girl students: 10 / 40 students

• Number of girl mentors: 3 / 8 students

• Girls who were active in engineering tasks: 2/10!!
Changing times..

- **Breaking Stereotypes**
  - FIRST Like a Girl
  - FIRST Junior Lego League
  - *Increasing counts of women in tech*

Katie – 9th Grade
FIRST Robotics Field Element Lead & Scouting Co-Lead

Anvitha Vijay - 9 year old
Youngest at the Apple Annual Developer Conference
“Before FIRST, I didn't have many female role models, and I didn't know what I wanted to major in. When I joined Team Exploding Bacon, I was introduced to strong women who pursue their interests in STEM, even in male-dominated fields.

Since the beginning of my involvement in FIRST, I have been introduced to countless women who boldly tackle challenges and have empowered me to do the same. *This revelation has led me to discover my own passion for Science, with which I aim to study Microbiology and save lives.*”

~ Sarah Parker
Inspire
“I believe I can be a role model for female students, and inspire them to pursue their dreams, be they engineering, science, or arts related. Also, I aim to show students that a female leader can be both strong and knowledgeable” ~ Sarah Parker
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