# Gender, STEM, & the Computing/IT Sector



# OUR FOCUS



#### **STEM:** Computing

VS.

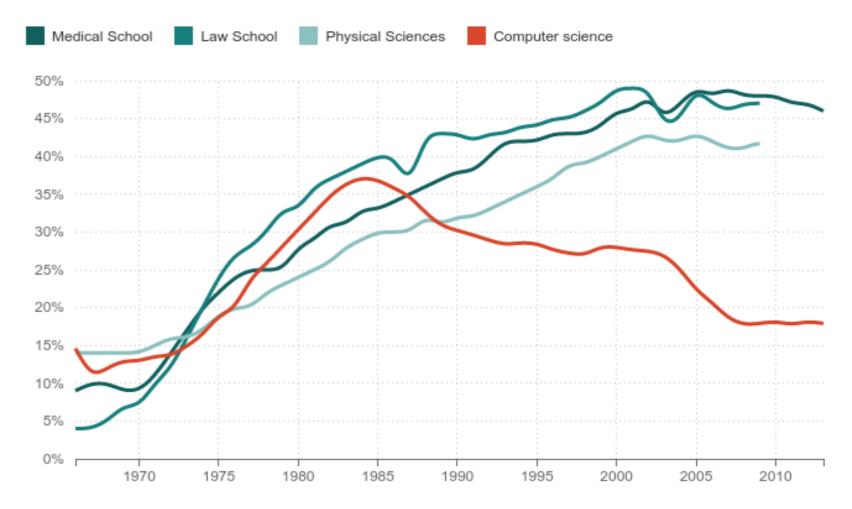


#### **STEM: Non-Computing**

## Women's Declining Presence in Computing

#### What Happened To Women In Computer Science?

% Of Women Majors, By Field

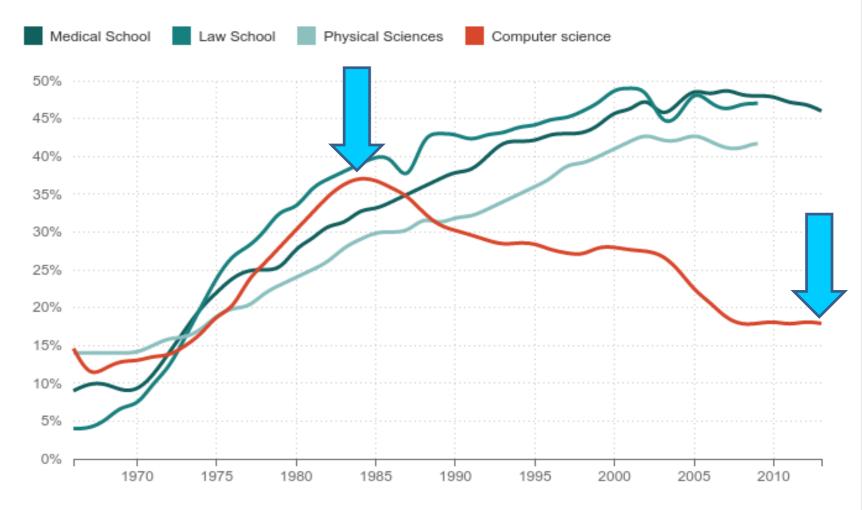


Source: National Science Foundation, American Bar Association, American Association of Medical Colleges Credit: Quoctrung Bui/NPR

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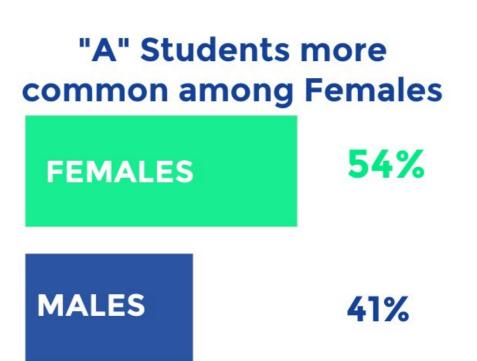


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#### Students Aspiring to Computing Careers

#### Males outnumber Females

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79% of aspirants are Males and 21% are Females

#### **NEEDED:** Computer & IT Workers

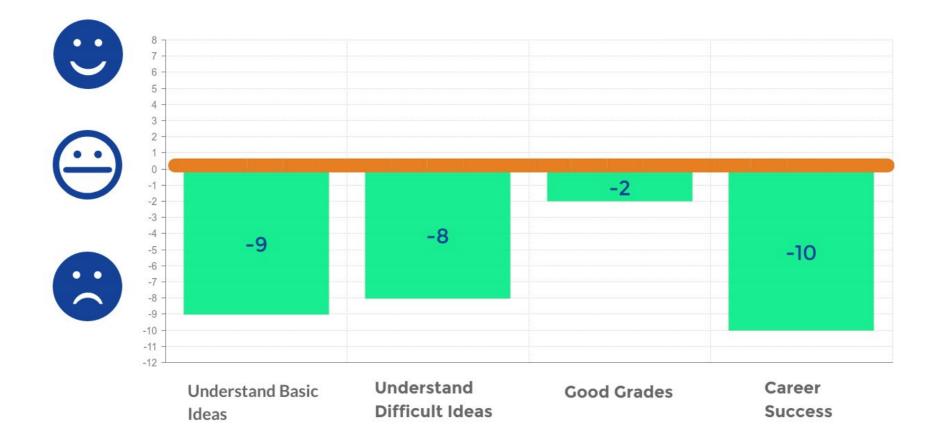


SOURCE: https://www.bls.gov/ooh/computer-and-information-technology/home.htm

## Girls Interested in Computing are Unique

1

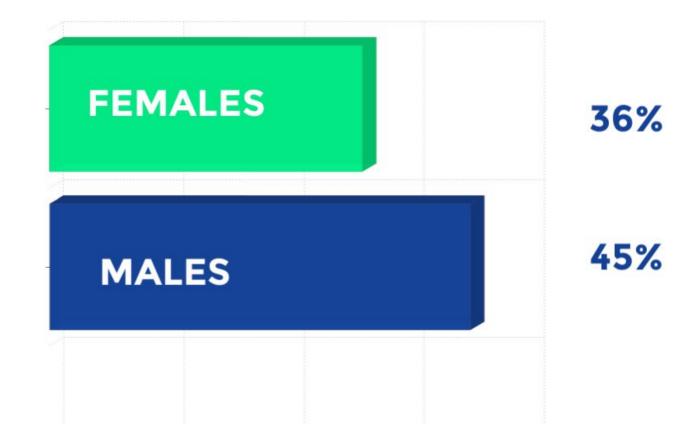
#### Gender Gap in STEM Confidence: Computing Aspirants



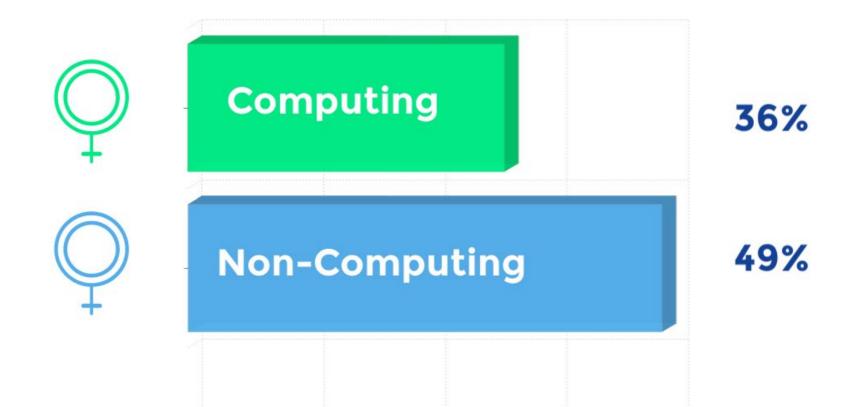
#### **Gender Gap in STEM Confidence:** Computing Aspirants vs. Other STEM Aspirants



#### **Computing Career Aspirants:** Confidence of Fair Treatment in STEM Classes



#### **Fair Treatment in STEM Classes:** Female STEM Aspirants

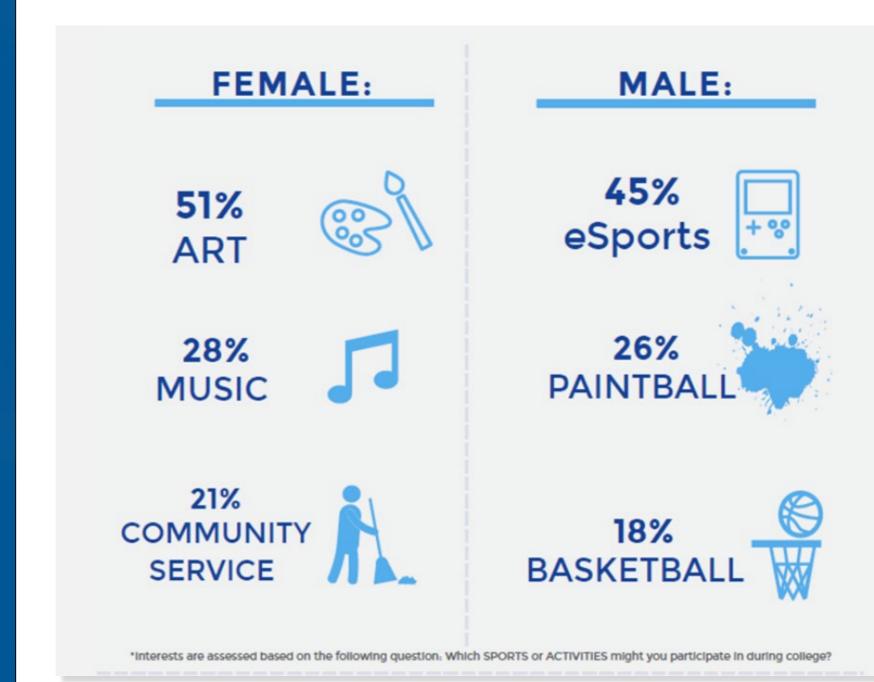


## Computing Aspirants: What matters?

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#### Gender Differences in Top Interests\*



# Do New Pathways to Computing Require New Interventions?

3

#### **Uncertain of Post-Secondary Education Plans**

*Noncomputing* STEM Career Aspirants

12%

#### **Uncertain of Post-Secondary Education Plans**

*Noncomputing* STEM Career Aspirants

12%

*Computing* Career Aspirants, *Interest in Art* as Extracurricular

26%

#### **Uncertain of Post-Secondary Education Plans**

*Noncomputing* STEM Career Aspirants

*Computing* Career Aspirants, *No* Interest in *Art* as Extracurricular

*Computing* Career Aspirants, *Interest in Art* as Extracurricular 12%

18%

26%

## **THANK YOU**

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