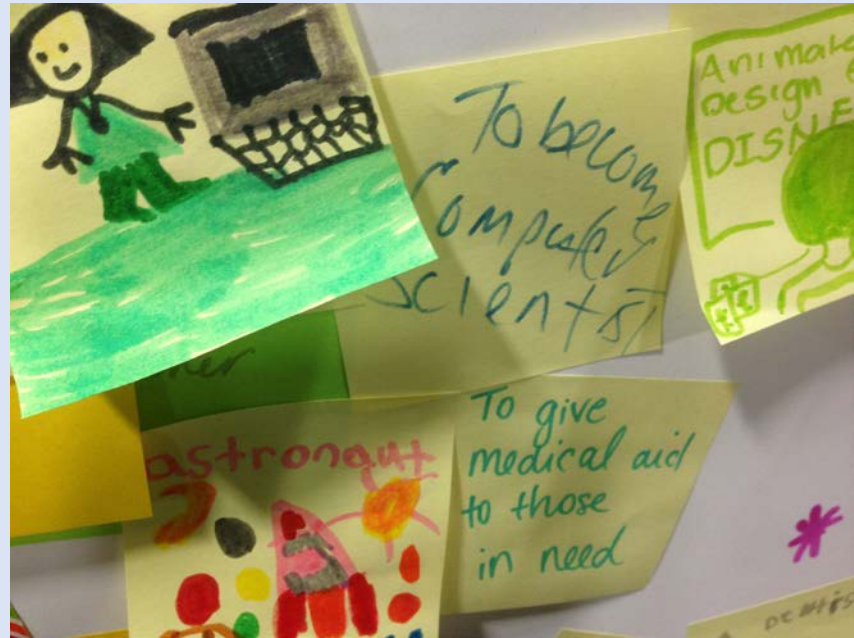


- Please introduce yourself, your organization, and Collaborative in the chat box.
- What is one **highlight from your summer** and what are you **looking forward** to in these final months of 2019?



September 11, 2019



Agenda

- STEM Career Pathways Survey Findings
- No Limits Project
- Successes and Challenges
- Updates and Closing



Speakers



Deborah Dodson
Chief Research Scientist
Student Research Foundation



Michael Conn
Executive Director
Student Research Foundation

Gender, STEM, & the Computing/IT Sector



**STUDENT
RESEARCH**
foundation

OUR FOCUS



STEM: Computing

vs.

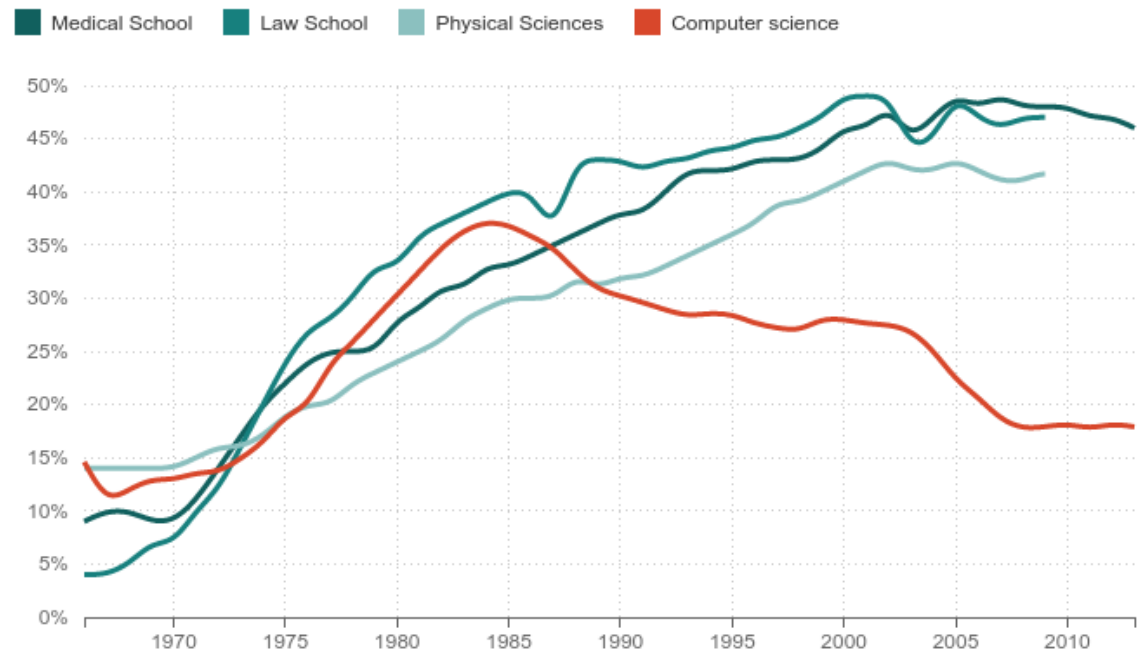


STEM: Non-Computing

Women's Declining Presence in Computing

What Happened To Women In Computer Science?

% Of Women Majors, By Field



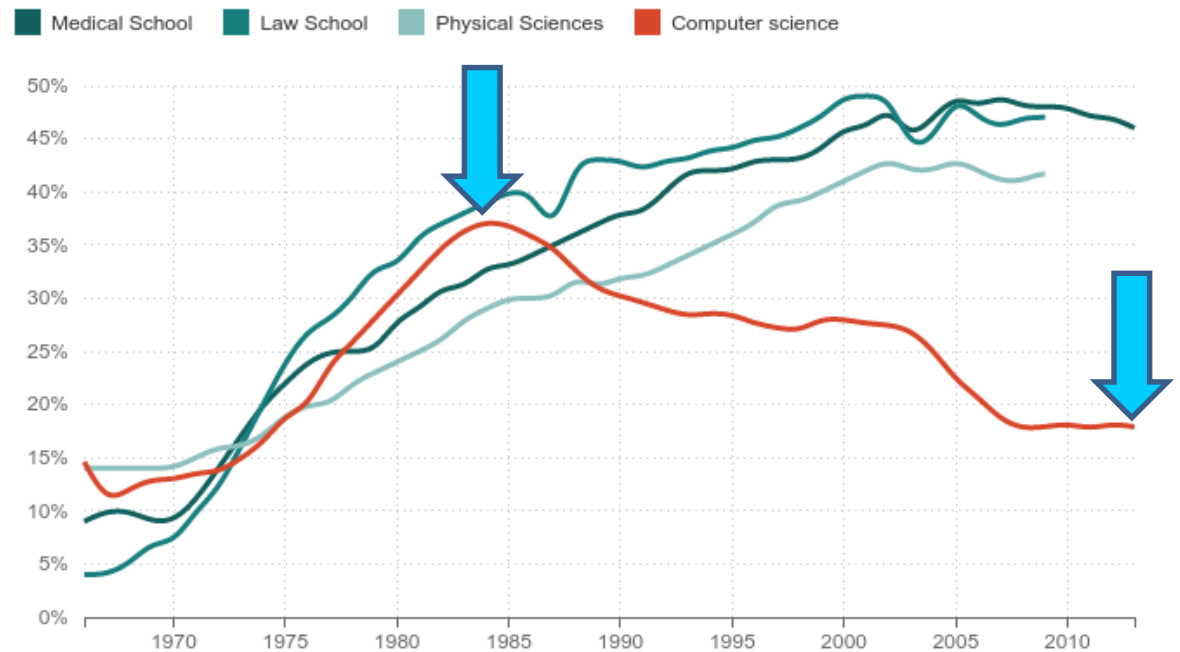
Source: National Science Foundation, American Bar Association, American Association of Medical Colleges

Credit: Quoc Trung Bui/NPR

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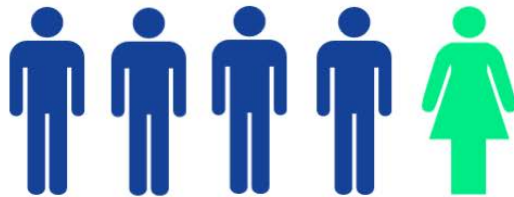


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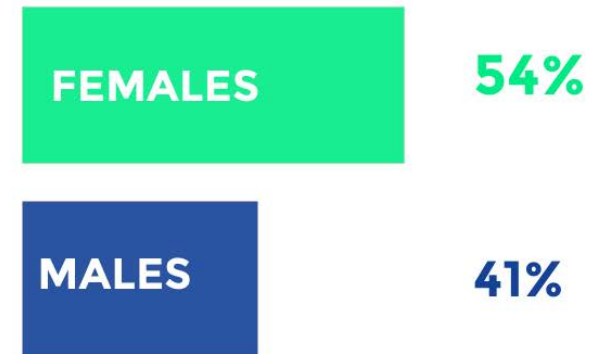
Students Aspiring to Computing Careers

**Males outnumber
Females**



79% of aspirants are Males and 21% are Females

**"A" Students more
common among Females**



NEEDED: Computer & IT Workers

Expected Growth

13%

Between
2016 & 2016



Expected New Jobs

557,100

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

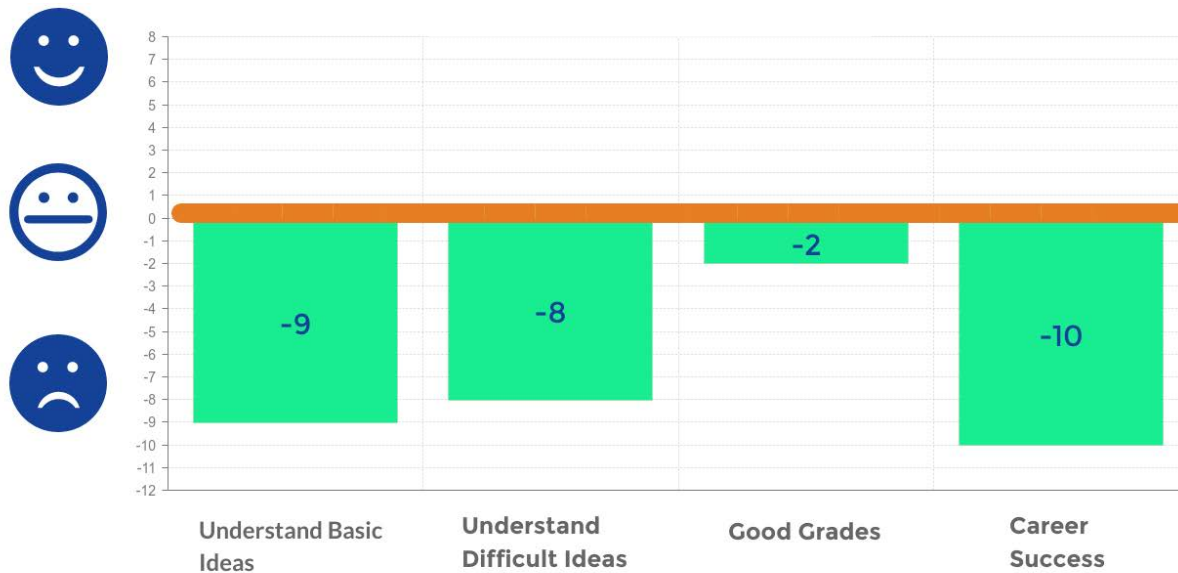


1

Girls Interested in Computing are Unique

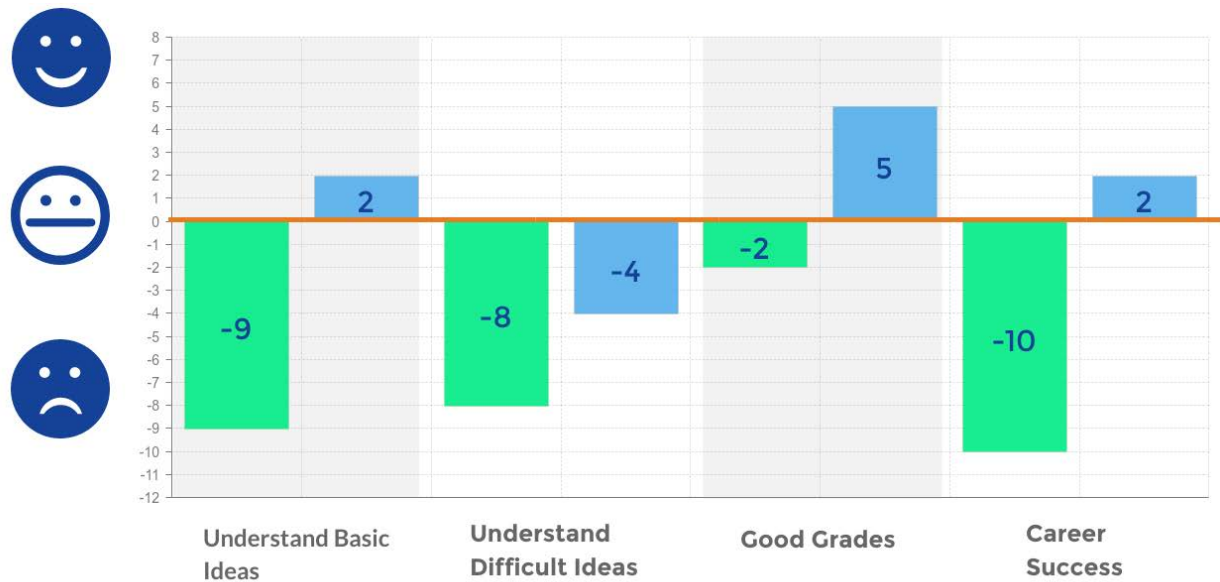
Gender Gap in STEM Confidence: Computing Aspirants

(% Completely Confident)



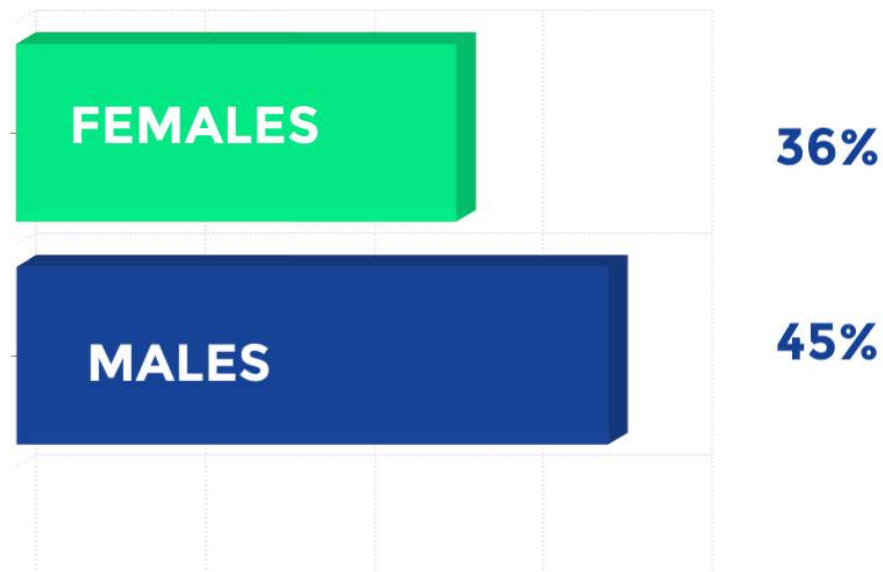
Gender Gap in STEM Confidence: Computing Aspirants vs. Other STEM Aspirants

(% Completely Confident)



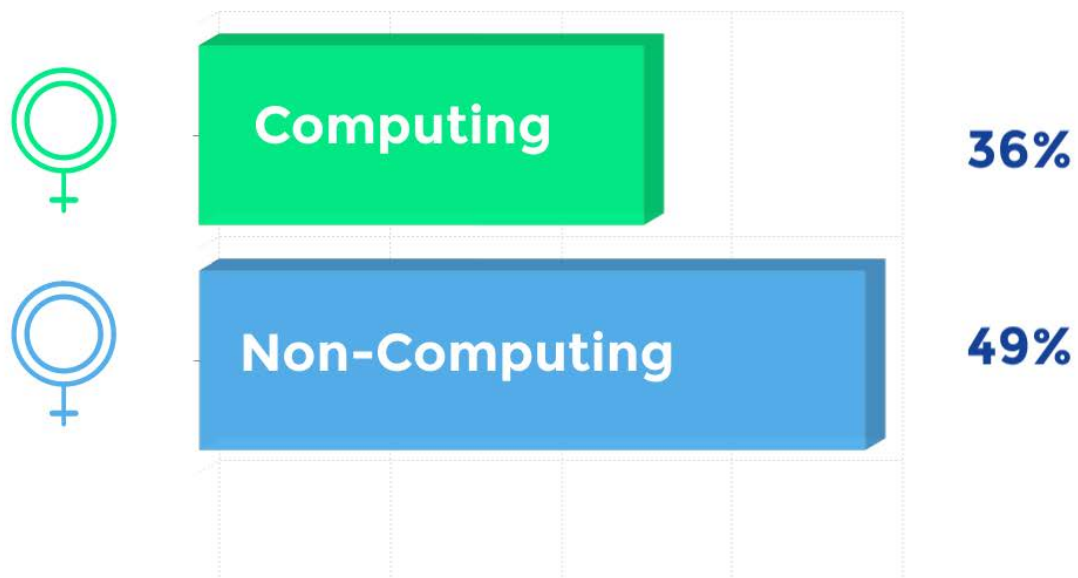
Computing Career Aspirants: Confidence of Fair Treatment in STEM Classes

(% Completely Confident)



Fair Treatment in STEM Classes: Female STEM Aspirants

(% Completely Confident)

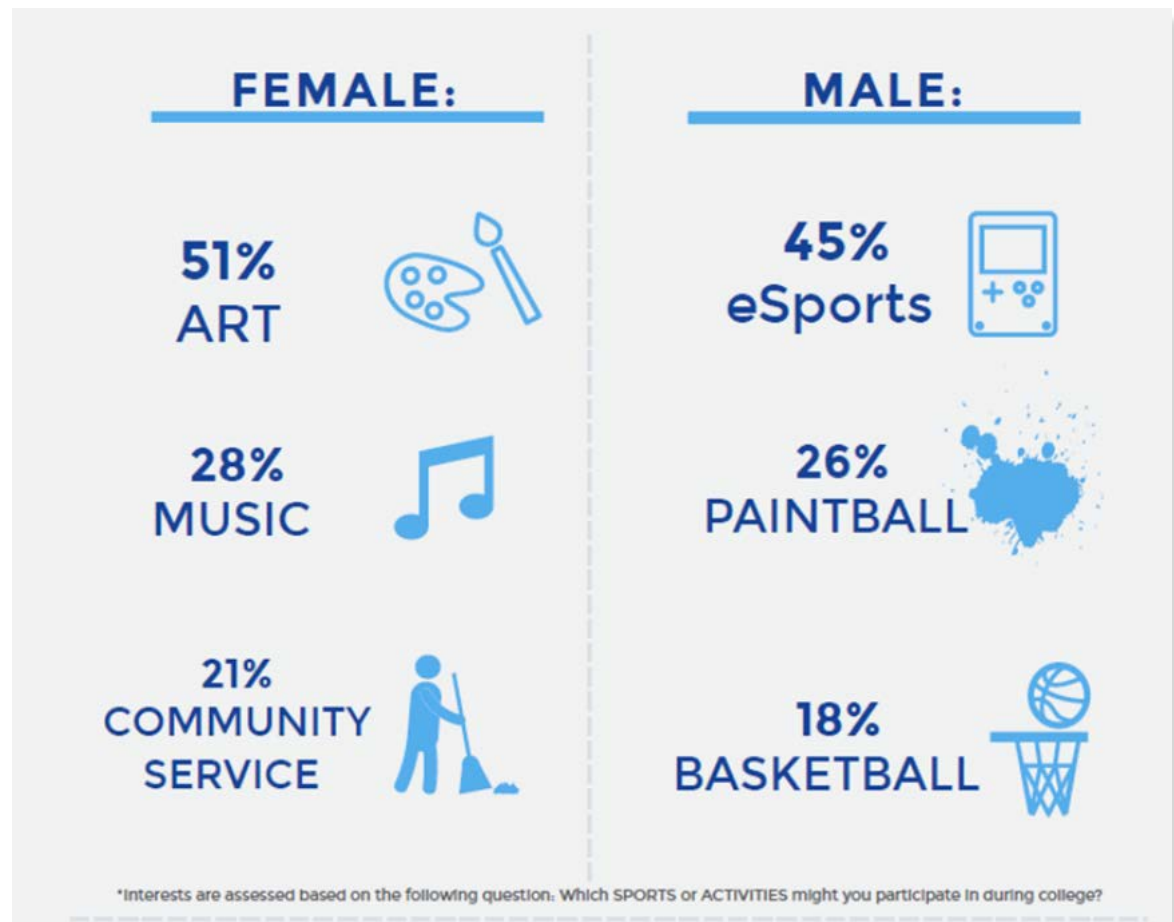




2

Computing Aspirants: **What matters?**

Gender Differences in Top Interests*





3

Do New Pathways to Computing Require
New Interventions?

Uncertain of Post-Secondary Education Plans

Noncomputing STEM
Career Aspirants

12%

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

18%

Computing Career Aspirants,
Interest in Art as Extracurricular

26%

Uncertain of Post-Secondary Education Plans

Noncomputing STEM
Career Aspirants

12%

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

18%

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Interest in Art as Extracurricular

26%

THANK YOU

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Executive Director

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**STUDENT
RESEARCH**
foundation

Questions?



Mercedes No Limits

- Goals
- Mini-Grants
- Timeline
- Media Planning



*It tells rally champ Ewy Rosqvist's story:
'They said I could never finish. So I
finished first'*

November 8, 2019: National STEM Day



Mercedes No Limits Timeline

- September 16, 2019: Application Opens
- September 24, 2019: Application Webinar
- October 10, 2019: Application Closes
- November 2, 2019: Grantees Notified
- November 8, 2019: National Launch
- November-February: Projects Occur
- March 2020: National Webinar

Successes? Challenges?



General NGCP Updates

- 2019-2020
Community Meeting
Schedule
- ASTC Conference
Activities
- Research to Practice
Webinar Series



Twitter Chat

Wednesday, October 2
11:00am Pacific/2:00pm Eastern

The Connector and the Afterschool Alliance are
co-hosting a Twitter Chat titled

**"Quality STEM: Identifying elements of high-
quality STEM programs for youth"**

Use the hashtag **#QualitySTEM**

Follow @the_connector and @afterschool4all.



Upcoming National Webinars

Exploration of Other Worlds Using NASA Solar System Treks



**Tuesday, October 8, 2019
11:00am-12:00pm Pacific/2:00PM Eastern**

<http://ngcproject.org/events>

Next Collaborative Leadership Teams Meeting

November 13, 2019

