

# Cyber Competitions & Cisco Netacad

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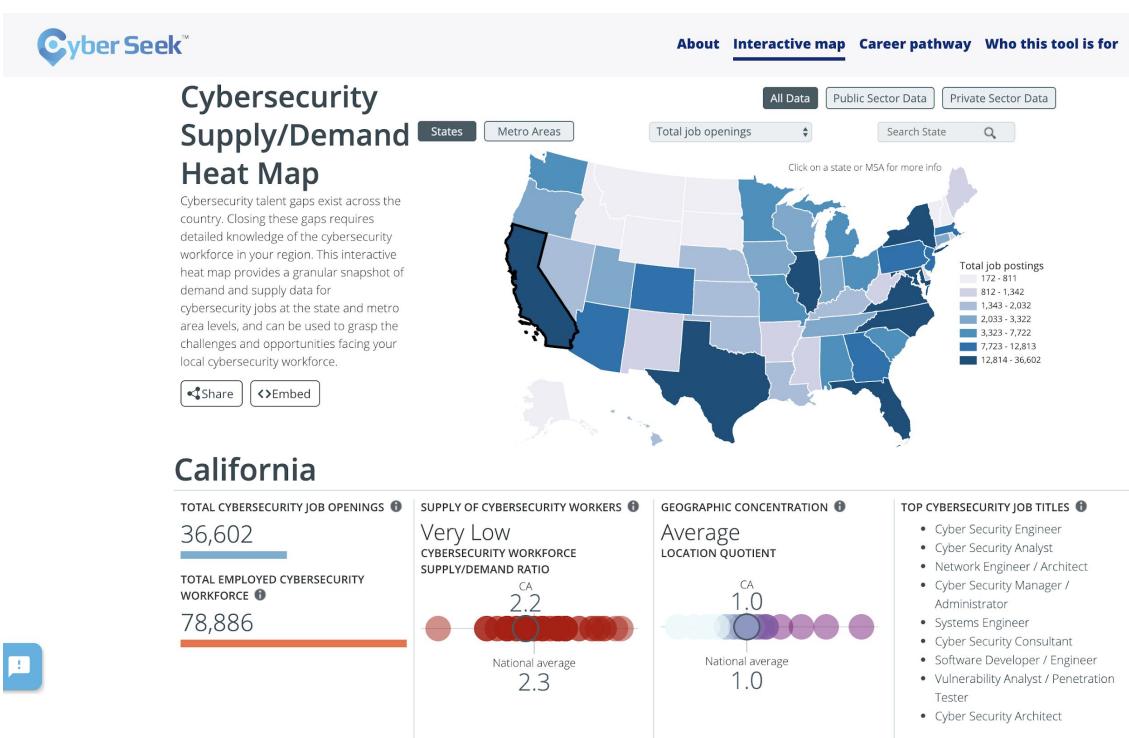
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# Raising Awareness of IT Careers

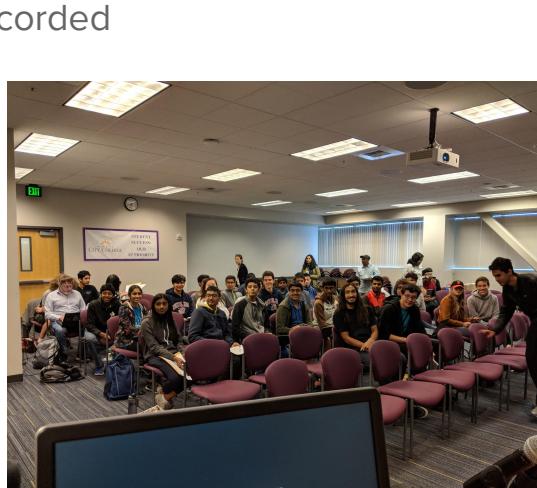
- Getting students excited to learn and possibly start their careers in:
  - Cybersecurity
  - Networking
  - Systems Administration
  - Digital Forensics
- We achieve this through Cyber Competitions





# Bay Area Cyber Competitions Program

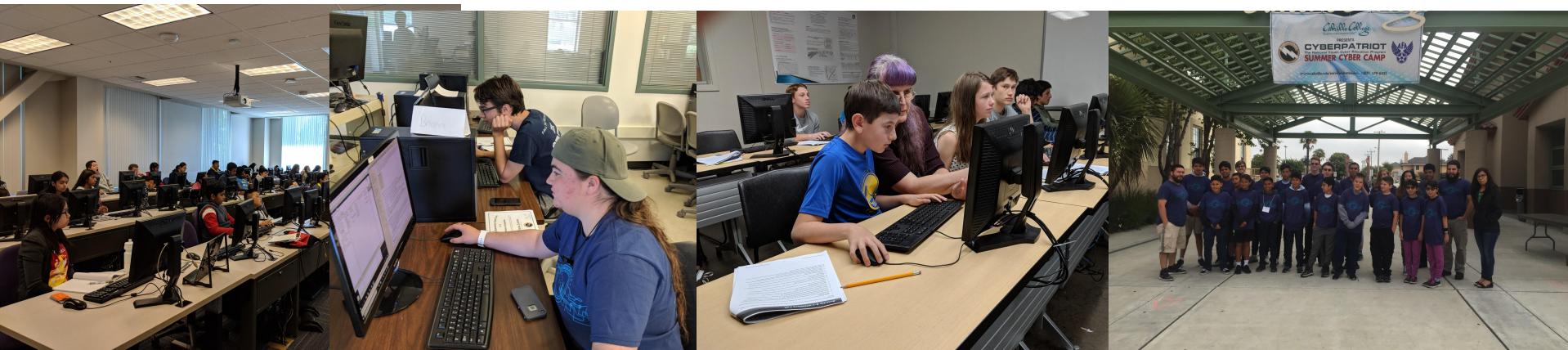
- Academic Year Structure
  - Monthly trainings at local Community Colleges
    - Cabrillo College, Diablo Valley College, Merritt College & Las Positas College
  - Competitors receive training and support from Community College Professors and Students
    - Trainings are also live streamed and recorded
  - Weekly online office hours
  - Colleges host the competitions for students





# Bay Area Cyber Competitions Program

- Summer Structure
  - 2016-2018 we participated in AFA CyberCamps
    - Content covers Systems Administration (Windows & Linux) as well as basic networking via Cisco's Networking Academy
  - 2019 we will implement our own curriculum and contests with the help of NDG NetLab+
    - Systems Administration, Networking, Cryptography, Digital Forensics





# Bay Area Cyber Competitions Program

- Growth in Cyber Competitions (CyberPatriot numbers)
  - 2016: 2 CyberCamps with approx. 40 students; 7 teams competed in first year
  - 2017: 12 CyberCamps with approx. 600 students; 25 teams compete
  - 2018 26 CyberCamps with approx. 1200 students; 116 teams competed
    - Students in 2018-2019 are also participating in the following:
      - picoCTF, National Cyber League, KringleCon, HitCon, CTFLearn, and more



p i c  CTF

The logo for picoCTF consists of the word "pico" in a lowercase, black, sans-serif font followed by a circular icon containing concentric rings, and the word "CTF" in a lowercase, black, sans-serif font.

S  C  
BATTLE

The logo for SOC BATTLE features the letters "S" and "C" in large, bold, black, sans-serif font. Between them is a circular icon containing a stylized white bomb or bullet. Below the letters, the word "BATTLE" is written in a bold, black, sans-serif font.



# Results of Program

- Cisco Academy curriculum is beneficial to the competitions
  - Provides materials for new teachers to offer content to students
    - Cybersecurity Essentials, Linux Essentials, Packet Tracer 101, Programming Essentials in Python
  - Curriculum meets need for students to learn topics for competitions without spending hours searching for content online
- Often schools will start using the Cisco content
  - Creating classes to offer the courses as part of their regular schedule or after school
  - Encourages teachers to take instructor classes to offer the full
- We are educating students into the world of IT and encouraging them at the very least to be more secure than when they started, and at best, start their career training



WESTERN ACADEMY  
SUPPORT & TRAINING CENTER

# Questions?



CHAMPION

National Cybersecurity  
Awareness Month



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