



**Bay Area Competitions with Netlab  
& Summer Camp 2019**

# BAY AREA CYBER COMPETITIONS (BAYCYBER.NET)

- Schools are provided Netlab accounts to train for the various contests we are a part of
  - picoCTF, NCL, WRCCDC, CyberForce, CPTC, SANS Holiday Hack, CyberPatriot
  - Provided a platform for teams to also play the games
- We create our own Contests
  - Bay Area Regionals Competition ([baycyber.net/barc2019](http://baycyber.net/barc2019))



## BAY AREA CYBER COMPETITIONS

Home of the San Francisco & Monterey Bay Area's Cybersecurity Regional Efforts



**Summer Camp 2019**

# A BIT OF HISTORY...

- First three years under AFA CyberCamp
- Pointed only to one contest (CyberPatriot)
- Limited in Scope
  - Technical scope
    - Basic Sys Admin for Windows & Linux
    - Advanced Camp dealt with introductory networking
  - Outreach (wasn't built for our colleges)
  - Did not provide a “what's next” in regards to higher learning and career steps
  - Train-the-Trainer week was spent fixing camp content instead of moving forward



# A BIT OF HISTORY...



- Growth:
  - 2016 - 2 camps, 40 students
  - 2017 - 12 camps, 600 students
  - 2018 - 26 camps, 1200 students
  - 2019 - 40 camps, ???? students



# GOALS OF THE CAMP



- Educate students to the world of IT and Cybersecurity
- Provide students with resources and tools they can take home and use in their everyday lives
- Raise enrollment to our program regionally
- Raise community awareness to the host collegiate programs
- Begin the preparation for students to be workforce ready



# INTRODUCTORY CAMP AT A GLANCE



- Day 1: Digital Footprint
  - Basic Cyber Hygiene
- Day 2: Sysadmin Superhero
  - Securing home PCs and NDG Linux Unhatched
- Day 3: Digital Forensics & Networking
  - Autopsy and Cisco Intro to Packet Tracer
- Day 4: Wireshark & College Outreach
  - Capture The Flag
- Day 5: CTF
  - Over 300 questions so far; covers topics from both camps and more

# ADVANCED CAMP AT A GLANCE



- Day 1: Defensive Security
  - OSINT, Password Cracking, Enumeration & Exploitation
- Day 2: Cryptography
  - Python: Caesar, Vigenere, Base64, Windows Password Hashes
- Day 3: Splunk
  - Splunk Fundamentals 1 & Job Opportunities
- Day 4: Web Applications Exploitation
  - OWASP Juice Shop
- Day 5: CTF
  - Over 300 questions so far; covers topics from both camps and more



# CAMP RESOURCES



- Camp is meant to run on any OS from the browser
  - Chrome works the best with everything we are doing
- All camp material is at these sites:
  - [baycyber.net/intro](http://baycyber.net/intro)      Introductory Camp
  - [baycyber.net/adv](http://baycyber.net/adv)      Advanced Camp
- Each Day has its own hover box with links for students
- Each Week Camp has its own Netlab infrastructure
  - Supporting up to 64 teams/camp type (Intro/Adv)

QUESTIONS?





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