



Open Source Role in Cyber Competition & Education

Entered education in 2006

Began working with cyber competitions in 2013

Speaker at various events

Taught cyber competition classes

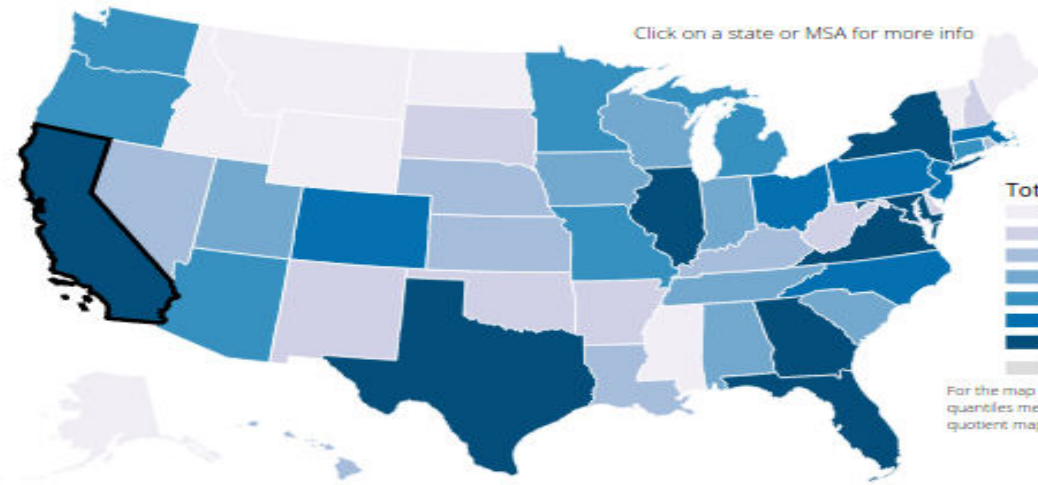
About Me



Building Bridges

Cybersecurity Supply/Demand Heat Map

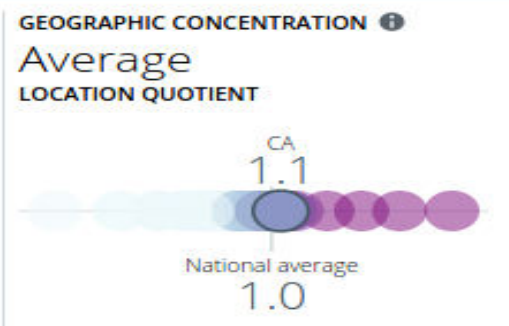
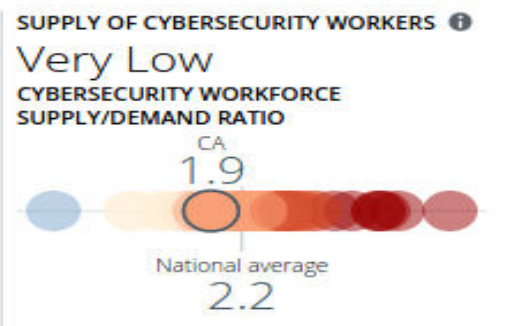
Cybersecurity talent gaps exist across the country. Closing these gaps requires detailed knowledge of the cybersecurity workforce in your region. This interactive heat map provides a granular snapshot of demand and supply data for cybersecurity jobs at the state and metro area levels, and can be used to grasp the challenges and opportunities facing your local cybersecurity workforce.



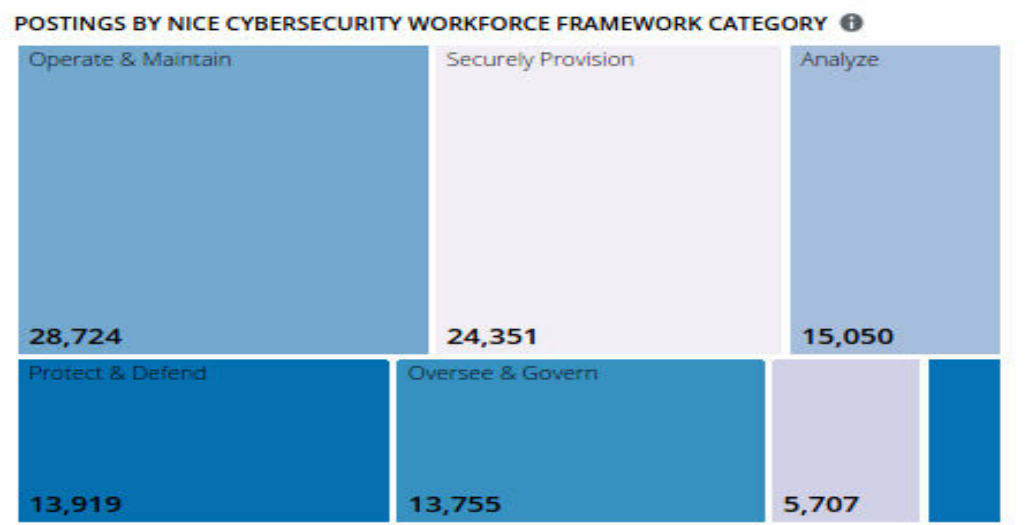
For the map data classification we used quantiles method. For the location quotient map we used manual breaks.

Share

California



- TOP CYBERSECURITY JOB TITLES**
- Cyber Security Engineer
 - Network Engineer / Architect
 - Auditor
 - Software Developer / Engineer
 - Systems Engineer
 - Systems Administrator
 - IT Director
 - Systems Analyst
 - Computer Support Specialist

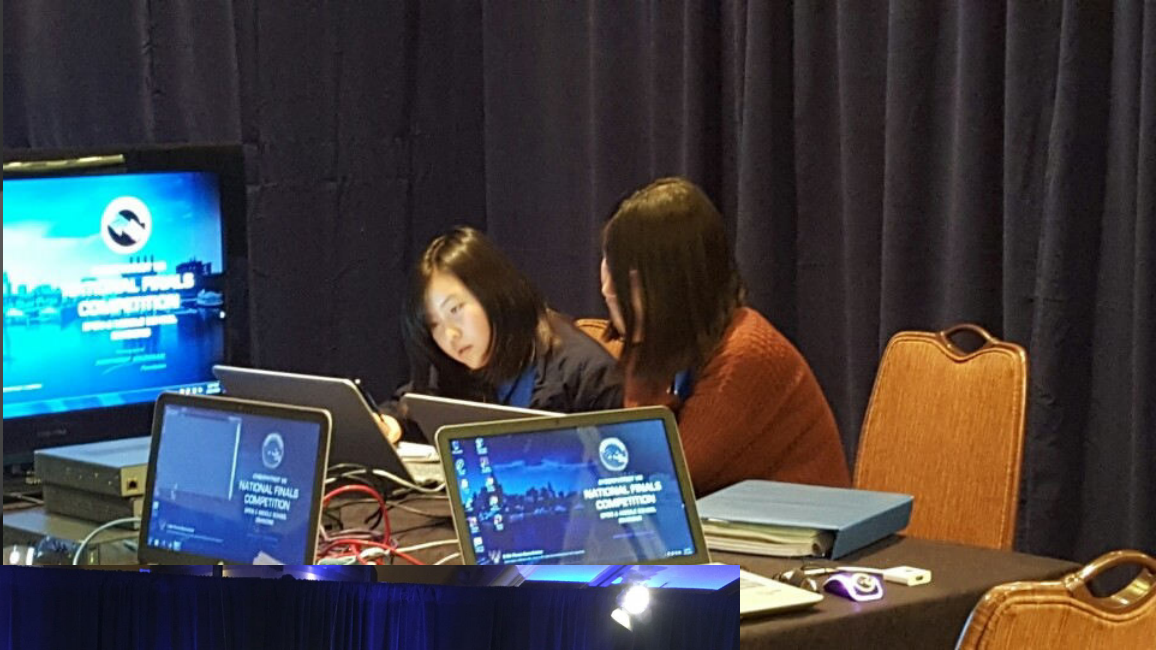


Courtesy of CyberSeek.org

Tentative Solutions

- Schools can do more outreach.
- Educators can evolve.
- Companies can mentor and nurture growth.
- Companies can provide training for future workforce.

Outcomes & Results




Competitions

- CyberPatriot
- National Cyber League
- National Collegiate Cyber Defense Competitions
- CSAW CTF
- SaiberStorm
- B-Sides CTF

- Composed of two components
 - System harden a Linux image
 - Practice sys admin skills to secure an Ubuntu image.
 - FacebookCTF
 - King of the hill format where participants will answer various questions and decrypt various messages.

Sponsors





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