

Background

Cybersecurity Youth Apprenticeship Initiative (CYAI) is funded by the U.S. Department of Labor’s (DOL) Employment and Training Administration (ETA) Office of Apprenticeship (OA). CYAI promotes sustainable development of cybersecurity apprenticeship programs for youth aged 16–21. The goal of the initiative is to create at least 900 new cybersecurity apprenticeships for youth by 2024. CYAI is administered by ICF via a five-year contract that began in 2019. Year 1 ended on June 30, 2020.

CYAI Youth Apprentice Demographics*

217 Youth apprentices registered in Year 1

Gender



6% Female



94% Male

Race

American-Indian 0.5%

Asian 8.5%

Black or African-American 13%

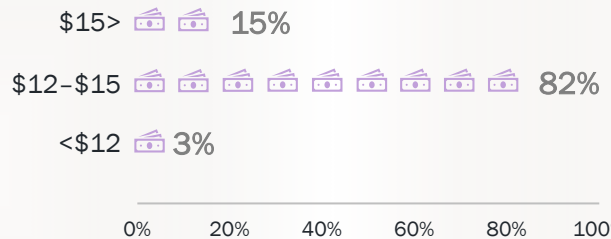
Hispanic or Latinx 15%

White 63%

Job Titles

- Computer and Information Systems Manager
- Computer Network Support Specialist
- Computer Operator
- Computer Systems Analyst

Hourly Wage Earnings



Industries

- Banking
- Computer Programming
- Consulting Services
- Data Processing
- Electricity Generation & Distribution
- Hospitals
- Insurance Agents
- Investment Services
- Life & Health Insurance
- Mortgage & Credit
- Natural Gas Distribution
- Property & Casualty Insurance
- Water & Sewage
- Telecommunication Carriers

- Computer User Support Specialist
- Database Administrator
- Information Security Analyst
- Network and Systems Administrator

* Percentages are approximate. All data is cited from the CYAI 2020 Annual Report submitted to DOLETA OA in June 2020.



Current CYAI Partners

CYAI is working with the following organizations to expand or develop registered apprenticeship programs in cybersecurity. Partners listed in italics are in the development phase of program planning.

- Anne Arundel Workforce Development Corp.
- Apprenti
- Apprenticeship Carolina
- Arlington Career Center
- Cyber Texas Foundation
- CyberUp
- Franklin Apprenticeships
- Harford Community College
- Manassas Park High School
- Mountain Area Workforce Development Board
- Philadelphia Works
- San Juan Community College
- Security University
- SmoothStack
- Texas A&M
- TranZed Apprenticeship
- UNCW Center for Cybersecurity Apprenticeship Program
- University of California, Davis
- Wilson Innovative Solutions

Become a CYAI Partner

CYAI accepts proposals to become an awardee of an Incentive Plan on a rolling basis. Once a Plan is executed, CYAI can allocate resources in the following ways:

INCENTIVE FUNDS

CYAI can provide incentive funds to support your apprentices. There are no restrictions on how to use the funds to improve your program and results.

CONVENINGS

CYAI can co-sponsor Workforce Solutions Meetings and convene employers and other stakeholders to identify workforce challenges, workforce needs, skill needs, and training needs.

PRODUCTS

CYAI can develop occupational profiles that detail the knowledge, skills, abilities, and competencies required for entry-level through advanced cybersecurity employment.

EVENTS

CYAI can sponsor/co-sponsor cybersecurity showcases that bring together teams of technicians, students, mentors, learners, and information technology professionals.



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