



WIS EDUCATION



Youth With A Future,

in collaboration with WIS ED, would like to introduce a new Summer Cyber Program for high-school aged youth. This virtual-based program will introduce youth to the fundamentals of Cyber Security.

4 week period (2 weeks- virtual training and 2 weeks- internship)

July 5- 30th, 2021

3 Hrs / Day Of In Class Instruction

9am-12pm (MDT)

All training sessions will be held virtually. Students will have 30-45 mins / day of take home assignments (Gamified labs, activities).

Students will also participate in a **2 Week** paid **Internship** with a Partner Organization.

✔ Cyber Foundations (4 days)

-This topic provides an introduction to the field of Cyber Security. Students will be introduced to foundational concepts such as Cryptography Security Engineering and various aspects of the modern-day computing environment.

✔ Cyber Defense (3 days)

-This topic provides an introduction to the principles of cyber defenses: prevention and protection; detection and management of incidents; responses and interventions.

✔ Cyber Offense (3 days)

-This topic provides an introduction to ethical hacking using the Cyber Kill Chain model (which consists of seven steps: Reconnaissance, Weaponization, Delivery, Exploit, Installation, Command and Control, and Actions on Objectives).