An REU Site in Security and Privacy for Mobile Sensing and the IoT
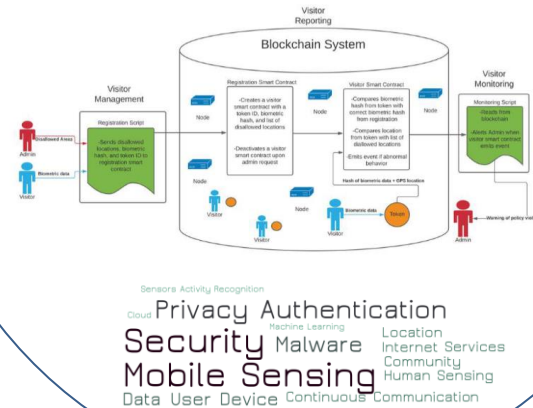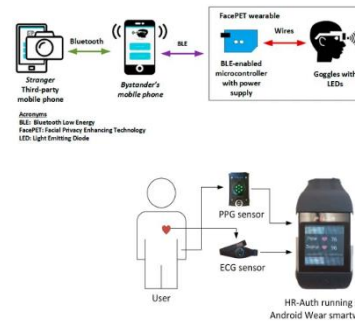
COLUMBUS STATE UNIVERSITY

Challenge:

- Increase the participation of students with limited research experiences in security and privacy research
- Increase the participation of US nationals/citizens in graduate programs in cybersecurity and CS

Solution:

- Immersion of undergraduate students in a 9-week program with hands-on research projects related to security and privacy in wearable devices, sensing systems and IoT systems

Scientific Impact:

- Contributions to facial privacy, wearable privacy, authentication (user/data), blockchain, malware detection, authorization systems

Broader Impact and Broader Participation:

- 64% of participants recruited underrepresented groups in CS/Cyber.
- More than 85% of participants coming from non-Ph.D. granting institutions
- 21 publications since the project started in 2017 (renewed in 2020)
- 7 past participants in graduate school