

EAGER: SaTC: EDU: Al-enhanced Cybersecurity: Workforce Needs and Barriers to Learning





Challenge:

- Computing has longstanding patterns of underrepresentation.
- Universities are unprepared to address workforce needs at the intersection of AI and Security.

Interview Students Produce Strategies To Remove Barriers Identify Perceptions

Skill

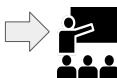
Gaps

Interview Experts

Solution:

- Interview students to understand perceptions of AI and security as a career.
- Interview experts to identify critical gaps in preparation then create and evaluate a modular course to close those gaps.





Scientific Impact:

- Identified subfield stereotypes that may create barriers to broadening participation.
- Identified essential skills for Al-enhanced cybersecurity.

Broader Impact and Broader Participation:

- Increased qualified workforce in the critical, emerging area of AI and Security
- Disseminate curriculum and inclusive practices.

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