

Collaborative Research: EAGER: SaTC-EDU: Just-in-Time AI Driven Cyber Abuse Education in Social Networks

Challenges:

Social networks encourage casual relations

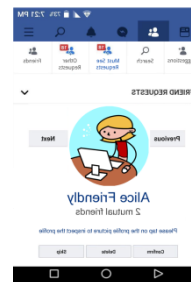
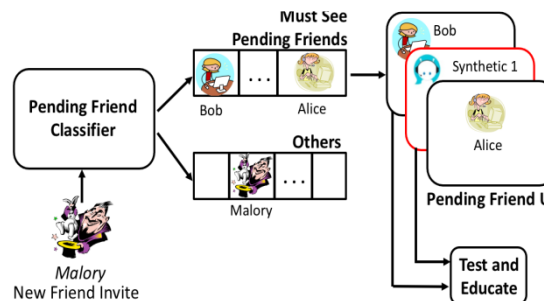
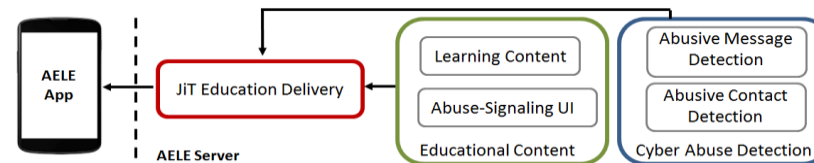
- Expose users to cyber abuse
- Doxing, sextorsion, cyberstalking
- Few cyber abuse victims adopt self-protective behaviors

Scientific Impact:

1. Can interaction footprints captured in social networks identify abusive contacts and instances of cyber abuse?
2. Conjecture disconnect between classroom instruction and real-life application of learned concepts
3. Can integration of educational content into SN interactions increase adoption of self-protective behaviors and reduce exposure to cyber abuse?
4. Lead to new conceptual framework for student-centered learning

Solution:

1. Develop AI-based solutions to detect and classify real-time cyber abuse
2. Develop targeted learning content and interventions to deliver background knowledge to make safer SN decisions
3. Develop techniques to determine the optimal placement of learning content that improves user adoption.
4. Compare outcomes of educational content embedded into SN interactions vs. traditional classroom instruction



Broader Impact and Participation:

1. Improve the security and privacy of millions of users of social networks
2. Inform future research of the benefits of targeted education
3. Minimize the attack surface of Facebook users
4. Mentor minority students. FIU and UCF are two of the largest HSI in nation

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