

# EAGER: Digital Interventions for Reducing Social Networking Risks in Adolescents



## Challenges:

**Friend Spam:** Social network infiltrations by adversaries posing as friends

- Privacy concerns
- Malware distribution
- Disinformation spread

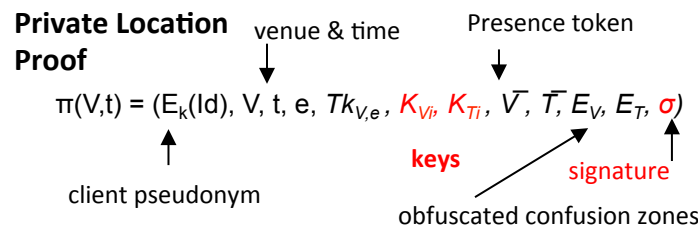
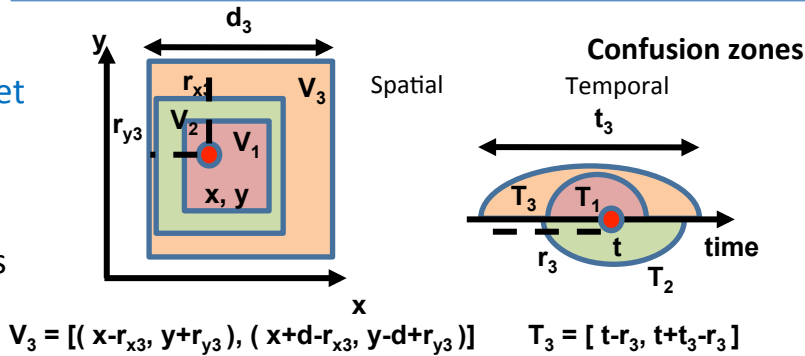
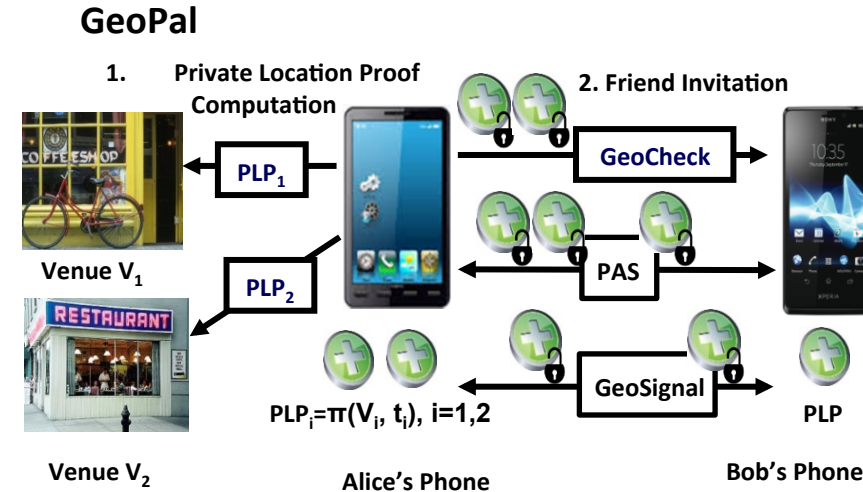
## Solution:

1. Developed TrustPal app and performed user study:

- “People trust more the friends whom they have met or are meeting more frequently in person”

2. Developed GeoPal system to seamlessly collect user locations and establish trust in friends

3. Introduced **private location proofs** and random spatio-temporal **confusion zone** constructs to ensure *privacy*



## Scientific Impact:

1. Understand user vulnerability

Discover dimensions and amplitude of friend based vulnerabilities in social nets

2. Understand adolescent motivation.

Uncover just-in-time motivations and behaviors related to social network risks in adolescents, young adult and adult populations

3. Develop usable protection

Build usable social net extensions that raise risk awareness and provide effective protection

## Broader Impact:

1. Protect at-risk social network users from malicious behaviors

2. Sub-projects used in REU and RET programs at FIU

3. Established collaboration with K-8 teacher and students at Norman S. Edelcup/Sunny Isles Beach K-8 school

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