2nd Annual Cal Poly Pomona Student Research Conference
March 7, 2014
University Library, Oral Presentations from 1 to 4 pm
Bronco Student Center (Ursa Minor), Poster Session and Reception from 4 to 6 pm

Lead Author: Saree Costa

Degree objective when research was completed: Bachelor's

Major: Computer Information Systems

College: CBA

Co-presenter(s): Not applicable  Yes, I agree

Faculty Mentor(s): Dr. Sonya Zhang

Bronco Student Center
4 to 6 pm

Presentation Type: Poster Session

Project Title: A Survey on Mobile Phone Security Practices, Usage Patterns, and Proposed Strategy for Securing Mobile Phones for College Students

Synopsis: This study focuses on the mobile phone usage patterns, security concerns, and security practices amongst college students and proposes a strategy for securing mobile phones based off the results.

Abstract: With regards to new malware, mobile phones are becoming a more delectable prey over the desktop computer. For 2014, McAfee predicts not only an increase in the growth of malware targeting mobile phones, but also new types of platform-specific attacks. We are still living in a functionality-over-security mindset that has yet to catch up with the times. This should instill a reasonable amount of concern into mobile phone users who increasingly rely on their devices for productivity and recreation -- from working professionals to college level students. In this empirical study, I will test my conjecture that university students pursuing technical majors (Information Systems and Computer Science) take better precautions in the security of their mobile devices over non-technical majors. A survey sampling of undergraduate students examines mobile phone usage patterns, security concerns and practices. Based off the results, a strategy on securing mobile devices is proposed for the college level.