Computer Science Master Thesis Presentation

SEAKER: A Mobile Digital Forensic Triage Device

Eric Gentry

Examination Committee:
Dr. Michael Soltys *(Advisor),* **Mr. Adam Wittkins***,* **Dr. Jason Isaacs**

Abstract:

As our world of digital devices continues to expand, the potential for digital evidence available to law enforcement during case investigation is ever increasing. The growing amount of digital evidence, along with the considerable lack of Digital Forensic Investigators is causing a backlog to form at many of the digital forensics labs around the world. This backlog leads to delays in evidence analysis and reporting, causing investigators and prosecutors to postpone or even drop on-going cases.

The SEAKER device is a digital forensic triage tool that is designed to be simple, portable, inexpensive, robust, and easy to use. Utilizing a Raspberry Pi, SEAKER is a novel approach to providing immediate feedback to investigators. It is also intended to help stem the backlog problem in digital forensics labs worldwide.

X:00 pm, Wednesday, April 3$^{\text{rd}}$, 2019
Sierra Hall XXXX

All students and faculty are invited

An Academic Affairs Event