P.U.R.E. Research Plan Form

Mentee Information
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Faculty Advisor: __William H. Sanders________

Fall 2016 Research Plan

1.) Write a brief outline of your research plan:
The goal of this work will be to investigate the use of evidential reasoning for forming and evaluating confidence in attack hypotheses.

Tasks:
1. Explaining network incident data to understand how attackers behave when attacking a network
2. Parsing heterogeneous network and host-level data sources for information useful for detecting attacks
3. Applying evidential reasoning techniques to the data to construct models of attack evidence that can be used to define a “confidence” metric.

2.) What do you hope to learn and achieve by the end of the semester?
With respect to specific subjects, I want to learn more about data science, security, and what security research entails, and to see what areas of security research interest me most. More generally, I want to learn what computer science and engineering research is like.

Mentee Signature: _Giancarlo Frix_  Date: 9/22/16
Mentor Signature: _Thakore1_  Date: 09/22/16