P.U.R.E. Research Plan Form

Mentee Information
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Spring 2015 Research Plan

1.) Write a brief outline of your research plan:

Internet of Things (IoT) devices are becoming more and more popular. These otherwise normal devices are distinguished by their ability to connect with the Internet, which enables them to be remotely controlled. Though convenient, IoTs are liable to dangerous security breaches that could share sensitive user information or cause other privacy problems. Our research endeavors to learn more about IoTs’ liabilities and develop solutions for them.

The preliminary stages of this research will involve studying literature on the security of IoTs for a thorough understanding of the issues that have already been addressed. This will include an in-depth study on real IoT devices. We hope to gain a comprehensive understanding of their functionality and vulnerabilities.

2.) What do you hope to learn and achieve by the end of the semester?
By the end of the semester, I hope to gain knowledge on the research process. In particular, I hope to gain experience and to learn how classroom knowledge can be effectively applied to solving real world problems, beginning from the abstract research idea to developing and exploring a specific problem.

Mentee Signature: [Signature]            Date: 03/02/2015
Mentor Signature: [Signature]            Date: 03/02/2015