**Statement of Purpose:**

Create a mobile, network penetration tester that can rate business’s security.

**Background:**

Small businesses and non-profits often deal with sensitive data, but don’t have the funds to pay for expensive network testing. They want to be sure that their data is secure, without big upfront costs. It should be a straightforward procedure. One should only need to walk into the business and at the press of a button have everything begin to test the network automatically. The end result should a report of breaches, network weaknesses, and present to the business with real and actionable results.

**What We Need:**

Compact network penetrator

LAN Turtle

Pineapple

Raspberry pi 3 with Kali Linux

Knowledge of networks and network security

Shell scripting skills

Ability to solve problems we aren’t even aware of yet

Detailed list of what to test and how to rate the performance of an attacked system

**What We Have:**

Raspberry pi 3 with Kali Linux

Scripting Skills

Assorted coding languages

Knowledge of networks security

Growing Knowledge of Networks

Skills in Databases

Skills in Artificial Intelligence

Growing skills in mobile programming

Team Members:

Jacob Wild

Spencer Ollila

Eric Mill

Anson Lichtfuss

Talon Marquard

**What is Missing:**

Exact specifications of what we will be testing and how to rate performance

LAN Turtle

Pineapple