

Team Hack

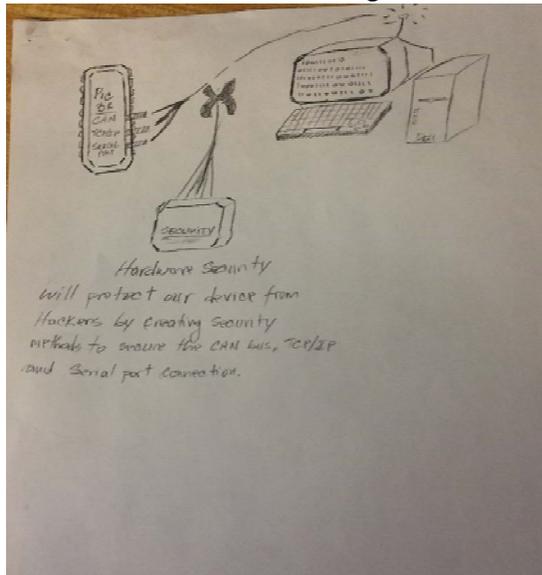
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SOLUTION DESIGN

In today's economy, it is a major issue within producers as to how much security strength is placed upon their product because of the constantly upgrading hackers and the vulnerabilities within different products. These businesses then recruit experts with hacking skills to then in some sense destroy the product to rebuild. The basis of ethical hacking allows for any organization's interior security and information to be analyzed objectively. The group of ethical hackers have no previous knowledge but compile together information about the business by the data that is collected by the group. The job of ethical hackers is to examine the organization's main frame for different entry points, weaknesses, important targets that could be the main objectives for intruders, then begin to develop and design ways to defend against outside intruders from the information they have collected.

Security is all around, for example, it is in identification, private communication, software protection, access control, electronic signature and so on. Security is the state of being free from threat. Autonomous vehicles are using multiple wireless sensor securities and quite some hardware securities. First of all, wireless sensor network is a group of transducers with the ability to communicate with infrastructure for recording and monitoring conditions at different locations. Wireless sensor network should be well protected especially, because it is a big concern for the society. Wireless sensor networks use different nodes that are able to detect, calculate, and communicate different phenomena. Wireless sensor network is against a wide variety of unstable security due to the hardware limitations of the sensor nodes, large number of nodes, the weight of the application environmental conditions, and cost. Security should be prioritized in order to confidentially send a packet over the wireless network.

For our solution design we have this specific design see above:



It is basically illustrating that we will find various ways to protect our autonomous system by hacking and then develop a hardware that will sniff the packet before entering our system.