**Independent Project Proposal:**

Forensic/Malware Analysis of Raw Data

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**Goal of the Project:**

To gain an extensive knowledge of one of the most common attacks used on a computer.

**Strategy:**

I plan on breaking the project down into multiple sections to gain better understanding and stay organized throughout the semester.

* Identify the types of Malware (EJ)
* What Malware does (PC)
* How Malware gets in a computer (AS)
* Malware Prevention (JZ)
* Catching Attackers (EJ)
* Code Analysis/Reverse Engineering (PC)
* Creating own Malware (AS)
* Testing (JZ)

It’s important to not only just read about malware but actually create your own and test on your own device to help get a better understanding of how it truly affects devices. You have to think like an attacker to catch an attacker. To achieve this goal, I will download a small malware code and spend time analyzing it. I will also see how much and what data is captured and passed to attackers. This will touch many areas of cyber security such as cryptography, network protocols, ethical hacking, etc., all vital to me and this class.