Steganography vs Cryptography – Craig

Craig will be discussing the similarities and differences between Steganography and Cryptography. Both have the same goal, cryptography makes the information unreadable to an eavesdropper whereas steganography hides the information from the eavesdropper.

Historical Context – Chris

Chris will talk about historical uses of steganography and some more recent pre-computer era techniques.

Intro Activity – Both

Craig will hand out sheets while Chris explains the activity, which consists of finding hidden information in a paragraph of text. Secret information isn’t easy to detect, but some messages are harder to find than others.

Steganographic Techniques – Both

Chris and Craig will explain different ways of implementing steganographic techniques. Most of them are based on images, which is the focus of the last part of our presentation.

Digital Image Steganography – Chris

We will explain that other file types work but that we will be focusing on images. This will explain how simple image steganography works, by just modifying the LSBs. We will go over an example using an image we created

Code – Craig

Craig will explain, using psudo code and higher level concepts, the code we wrote to hide images in other images. This will also include some background on different image file types.

Significance – Both

We will go over some good and bad uses of steganography, and talk about some interesting facts.