COSC 2030: Data Structures

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Project: Steganography

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Steganography: The process of embedding secret information into a larger data structure.

Abstract Data Type

Get Details about the image

File type

Format detail

Image Size

Read a message to be hidden

Convert the message into binary data

See if the carrier image is large enough to hide the message

If the image is large enough, iterate over all pixels in the image and the message and alter the least-significant bit in each pixel and record the new pixel value as a new image

Save the new image

Read an image and find a hidden message

<https://hackernoon.com/simple-image-steganography-in-python-18c7b534854f>

<https://www.geeksforgeeks.org/image-based-steganography-using-python/>