Possible Topics for CMPT 365 Term Project

(*You are encouraged to create your own*)

1. Digital audio processing/editing toolset

2. Lossless Compression

   Adaptive Huffman, Arithmetic coding, etc.

3. MPEG or H.264 codec

   Implement an interactive video encoder and decoder and possibly have the following features:

   1) Logarithmic or hierarchical search for motion vectors

   2) DCT or integer transform for the difference frames

4. Games

   1) Card games (Blackjack, …), Suduko, etc.

   2) Action games

   3) Exploration of Kinect, etc.

   4) AR/VR

5. Educational or Recreational Websites

   1) Kids learning materials and games

   2) Tourist guide book

   3) Cookbook, Gold Fish, Equestrian, …