Overview and looking ahead

Georgette Agutte, “Wave in Lacanau”

CSC320: Introduction to Visual Computing
Michael Guerzhoy
Special topics

• Hybrid images
• Flash/no flash photography
• Eulerian motion magnification (need just the high-level story for the exam)
• Scene completion with Millions of Photographs (need just the high-level story for the exam)
• White balancing and #thedress
• ...
What next

*Interested in big data/practical ML and here in the summer? Check out [this link](http://www.cs.toronto.edu/~guerzhoy/utds) in the summer*

- **CSC420**
  - Focused on *image understanding* – e.g., object recognition, a bit on understanding the geometry of the objects in the scene (e.g., how find rectangles in an image). Uses edge detection, filtering, etc. as basic building blocks of algorithms

- **CSC321, CSC411, CSC412**
  - Machine learning: how to build good classifiers. Lots of applications to computer vision (cover e.g. PCA and nearest-neighbour, go from there)

- **CSC418**
  - Computer graphics: create artificial images. Uses e.g. homogenous coordinates

- Check out the grad courses calendar as you go into fourth year, and try to work with a prof in the summer or as CSC494 at any time

- Industry: you now have some experience with dealing with data (P3) and with visual computing applications
See you at the pre-exam office hours!

• Almost every day 4-7. See website on Wednesday night for details.