CSC 240
Computer Graphics

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Fall 2016
Smith College
Outline: 12/14

- Animation (recent advances)
- Final Review (pick up two handouts)
- After class: resume office hours from yesterday

  - **Final Project**: due Thurs Dec 15
  - **Final is self-scheduled**
  - **Office Hours**: can come: Thurs 4-5pm (390 priority)
    Monday only next week
Animation
(recent advances)
Monster’s Inc (2001)

Maya Fur test - Sully - Monster Inc

https://www.youtube.com/watch?v=fCtrlCTctNs
Self-shadowing
Brave (2012)

https://www.youtube.com/watch?v=Cecx5HVtUDY
Disney Rendering Software

Hyperion

https://www.disneyanimation.com/technology/innovations/hyperion
Zootopia (2016)

https://www.youtube.com/watch?v=zaqmn55w4IA
Frozen (2013)

https://www.youtube.com/watch?v=YpuaZY1LPGA
How to Train your Dragon (2010)

Making of the film (1.5 hrs)
https://www.youtube.com/watch?v=hPCNc0wFvrA&feature=youtu.be

Clip that shows lighting:
https://www.youtube.com/watch?v=Xht4U5Z9HH4
Moana (2016)

- Particle model for water (like the Frozen model for snow)
- Use of distributed computing for efficiency

https://youtu.be/S-HG8IA-2TI

Credit: https://redshift.autodesk.com/moana-animation/
Moving away from pure CG
Lord of the Rings

Benedict Cumberbatch as Smaug

Video
Paperman (2016)

- Combines CG and 2D (drawn) images

https://www.youtube.com/watch?v=TZJLtujW6FY
Python in Computer Graphics

More information about how Python is used for CG