Image: The Utah Tea pot, Finlay McWaiter

Introduction to Computer Graphics

Brac University

1

2   Plan

- Overview of computer graphics

- Administrivia

- Overview of the semester

- Overview of the assignments

- Intro to JOGL & assignment 0

3 Computer graphics: what does it mean?

Computer vision: extracting information from the contents of an input image or video frame.

Ex: face recognition

Computer graphics: creating an image from scratch using computer.

Ex: animated movie

Digital image processing: processing raw input image to perform different operations.

Ex: apply filter on an image

Applications of Computer Graphics

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5   Movies/ special effects
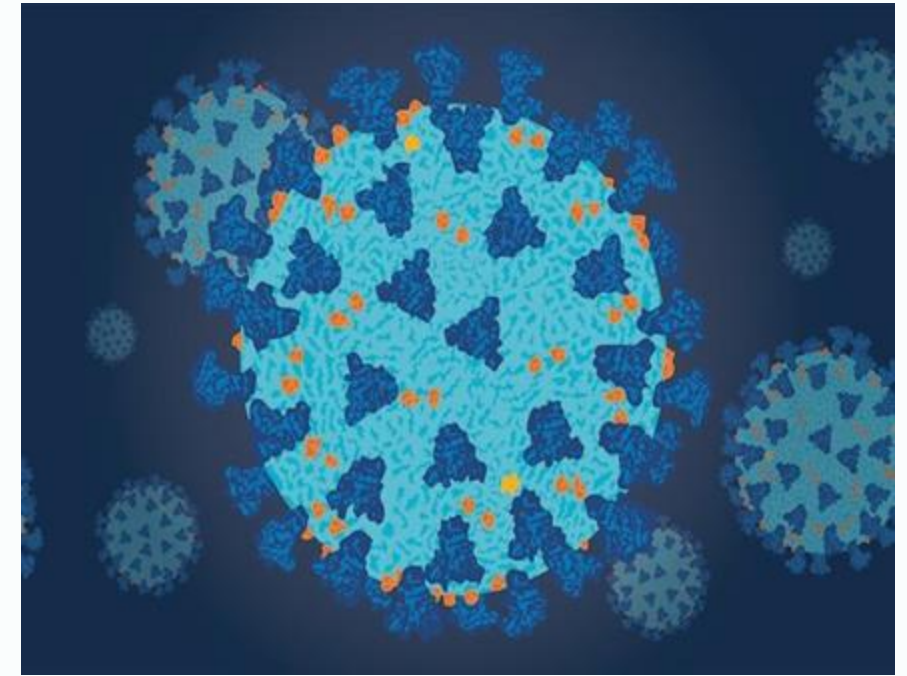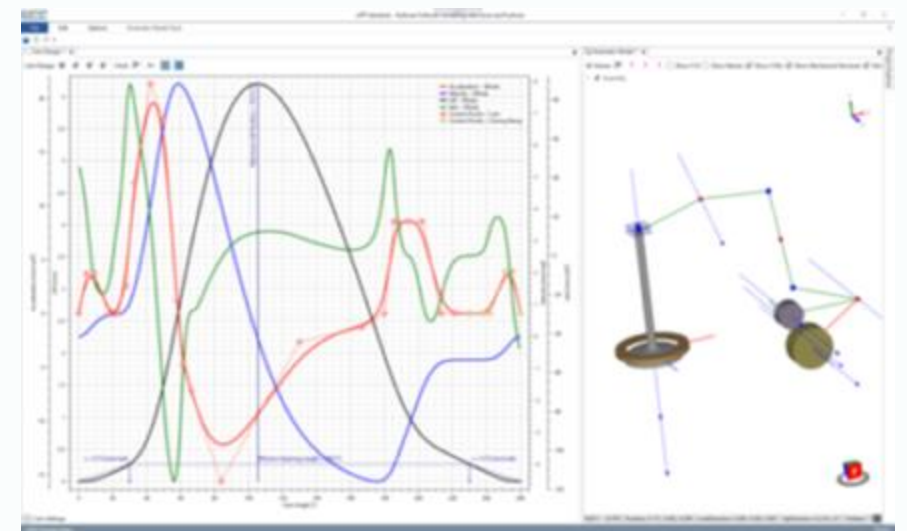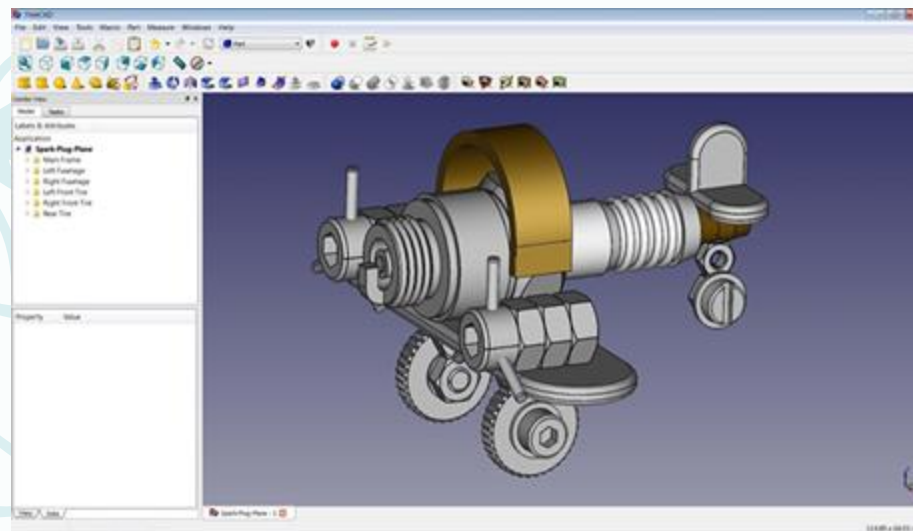
6   Video games and Simulation

Image: Megan Murrell

7   CAD-CAM & Design

8   Architecture

9   Virtual reality

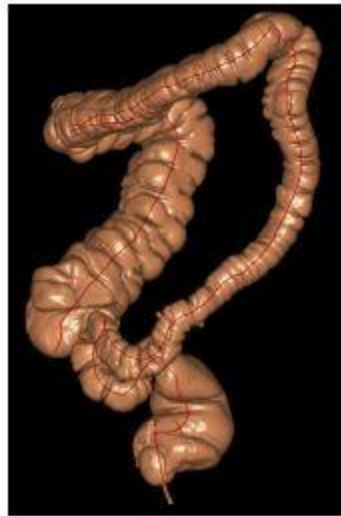# 10 Medical imaging

11   Education
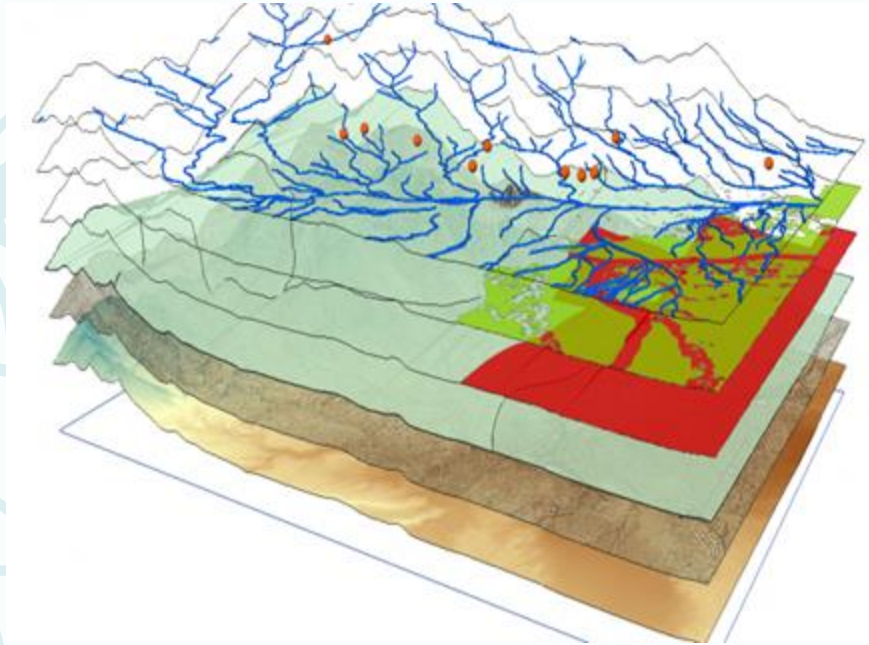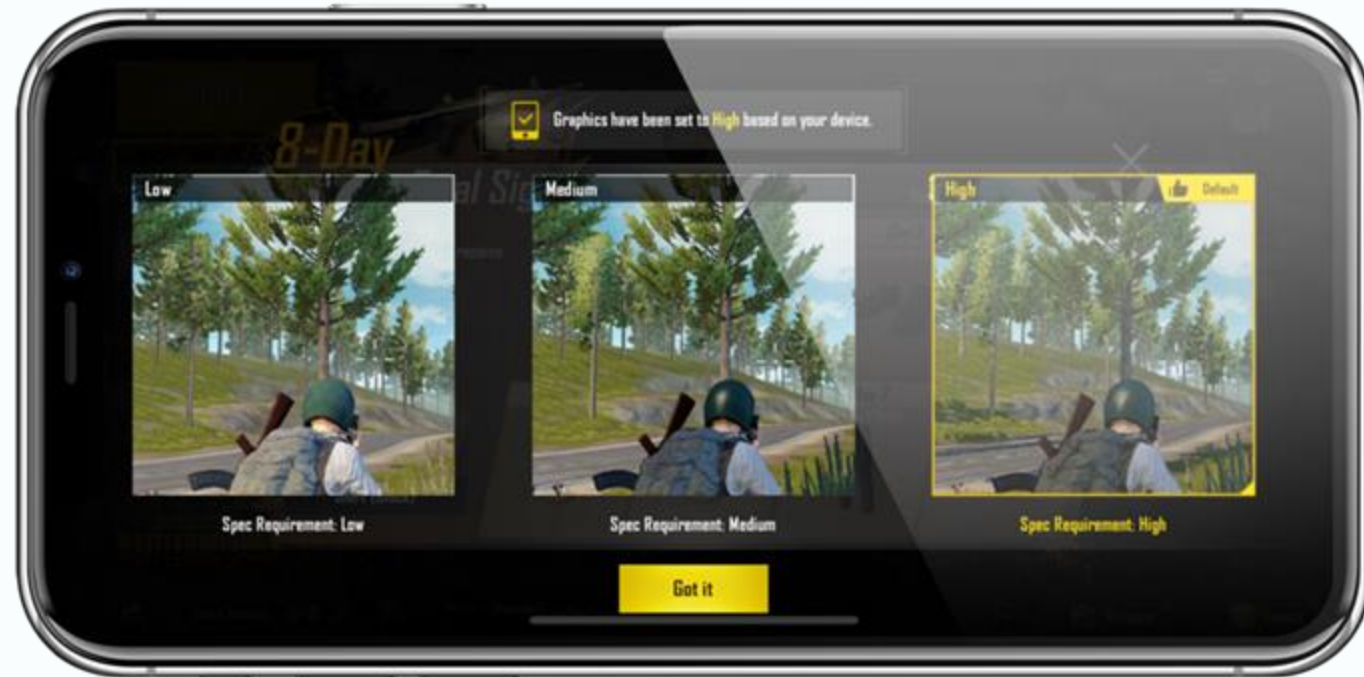
12 Geographic info systems & GPS

13   Any display

14 Deepfakes