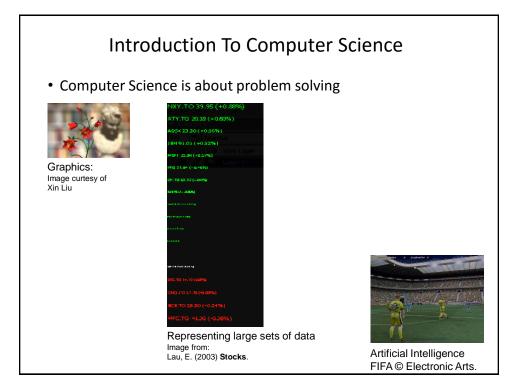
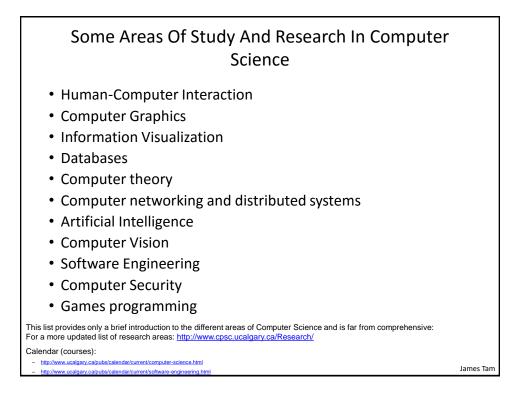
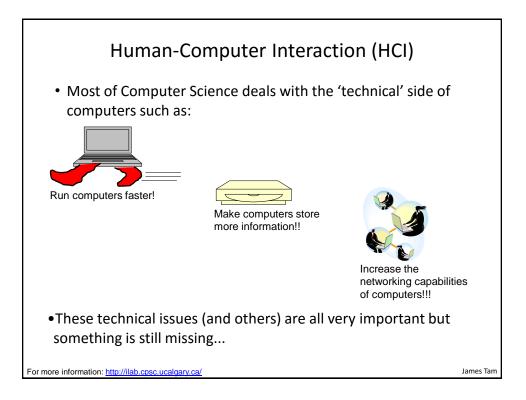
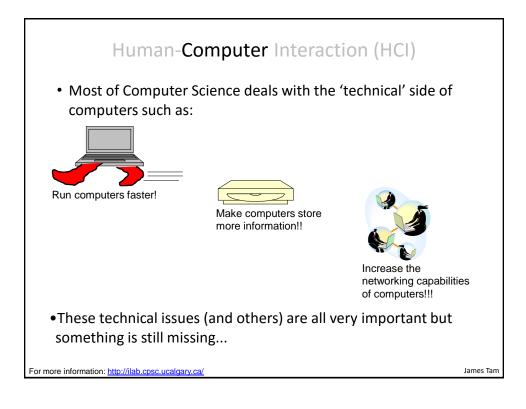
## Introduction To Computer Science

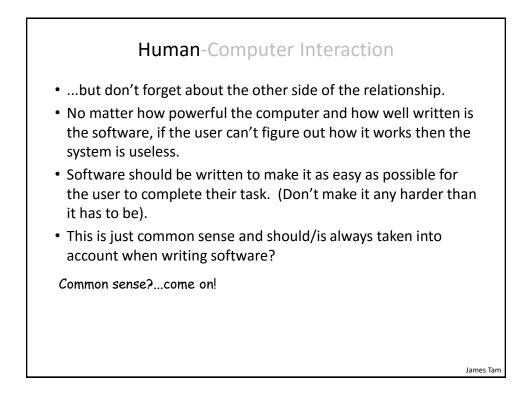
In this section you will get an overview of some research areas and higher level courses in Computer Science.



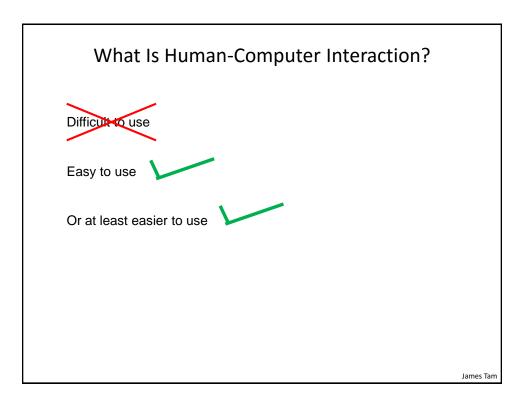


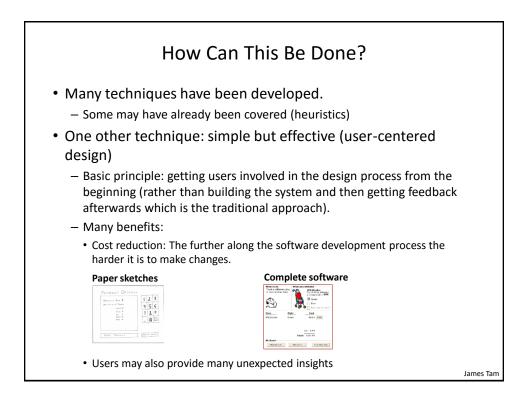


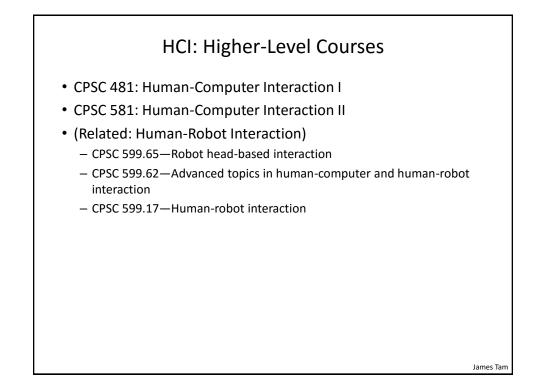


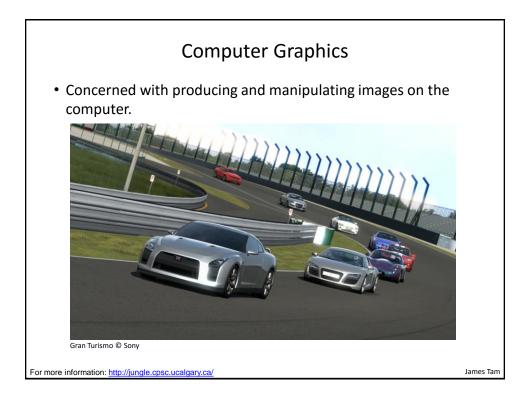


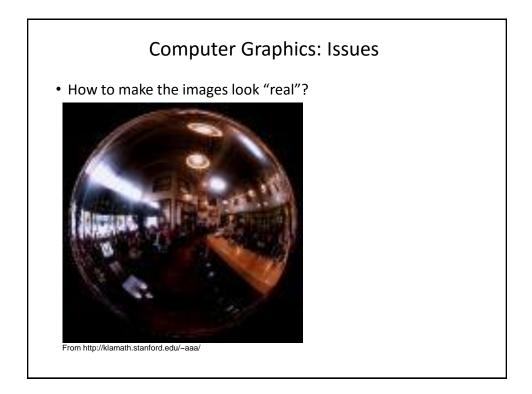
Previous Examples	
<ul> <li>Cases where designing "user-friendly" technology was not a matter of commonsense.</li> </ul>	just
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	James Tam

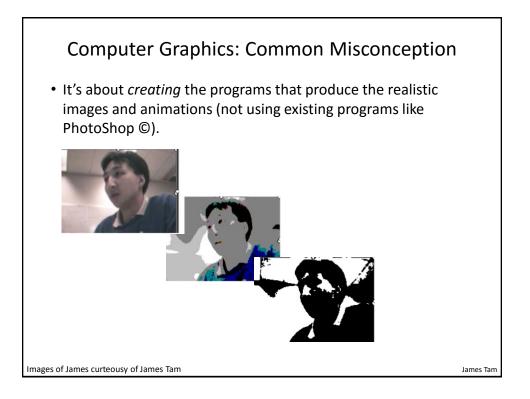


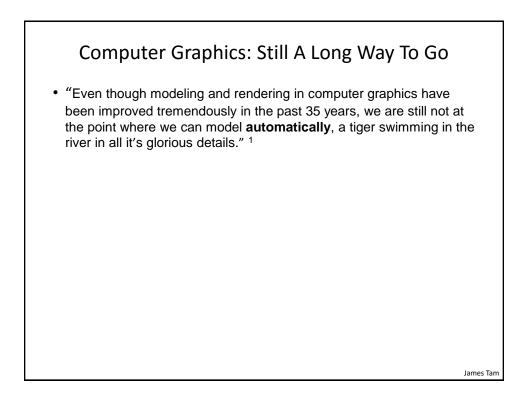


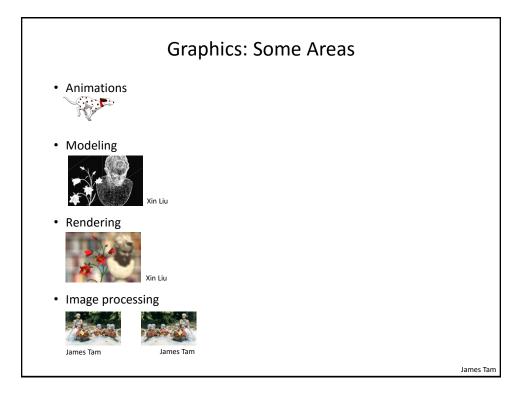


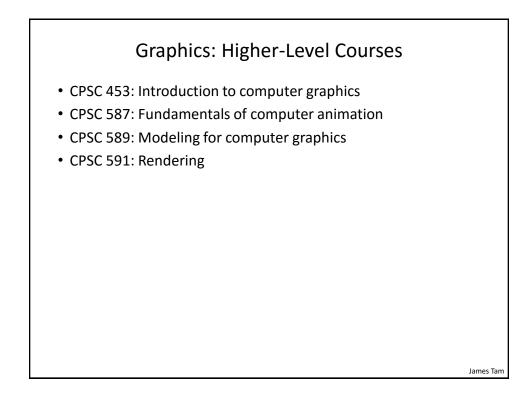


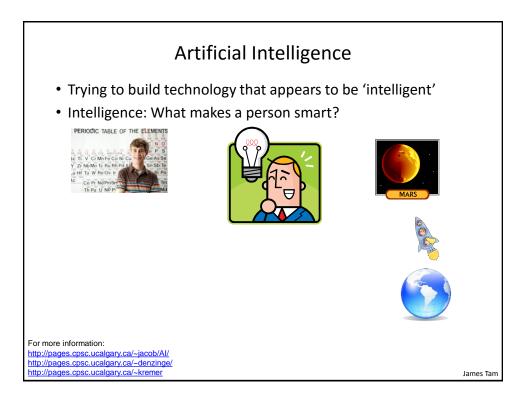


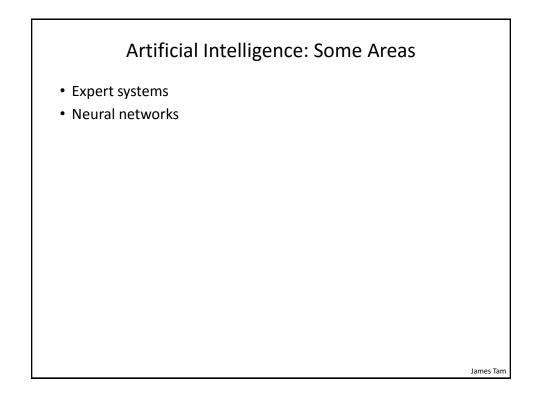


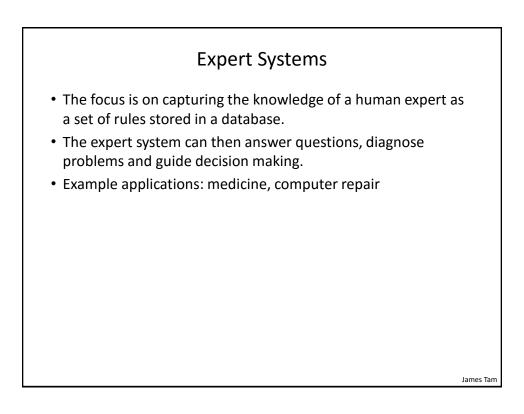








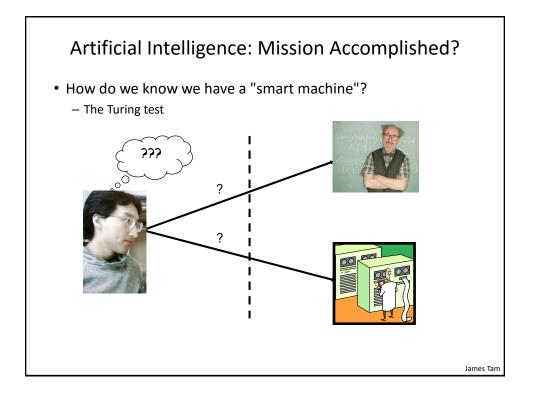


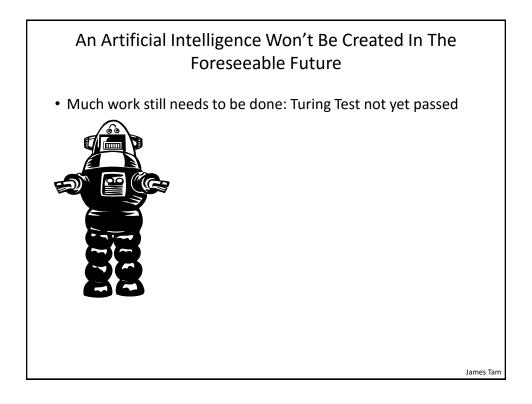


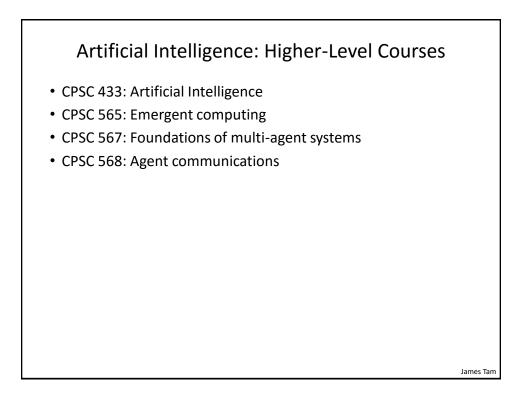


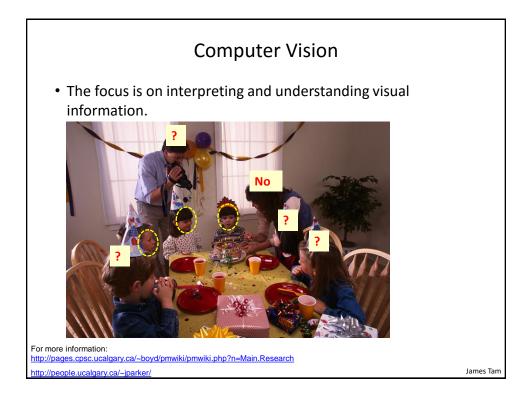
- The focus is on building structures that function the way that neurons (and their connections in the brain) function.
- (Simplified overview):
  - Neurons take electrical pulses as input and send electrical pulses as output.
  - A required level of input is required before the output is 'fired'.
- This approach has been applied to problems which involve pattern recognition (e.g., visual, voice).

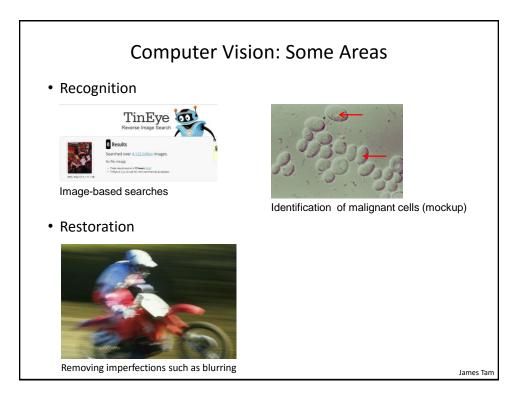
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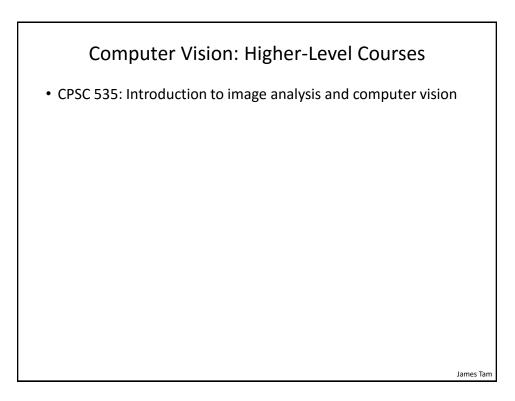


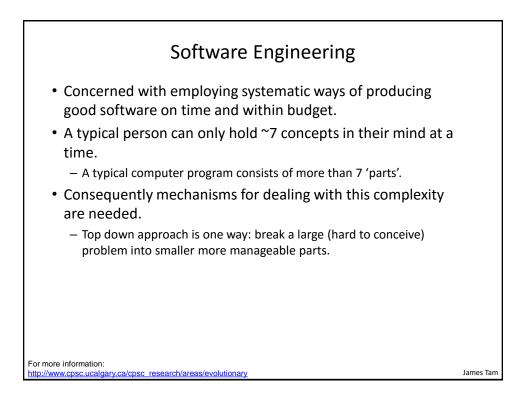


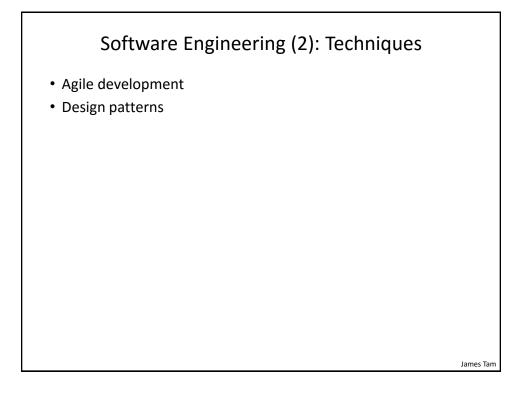








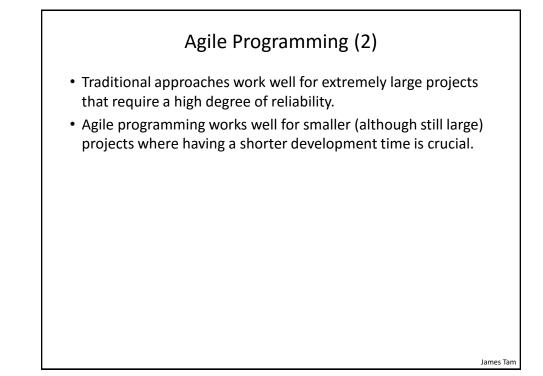


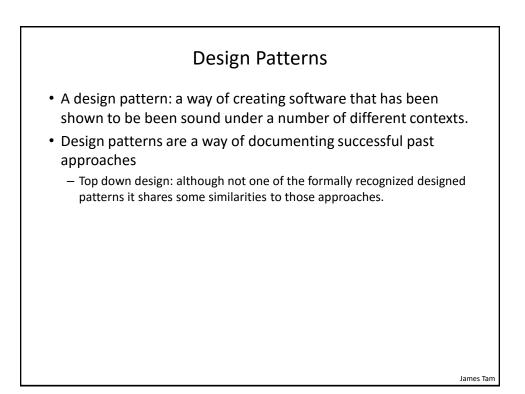


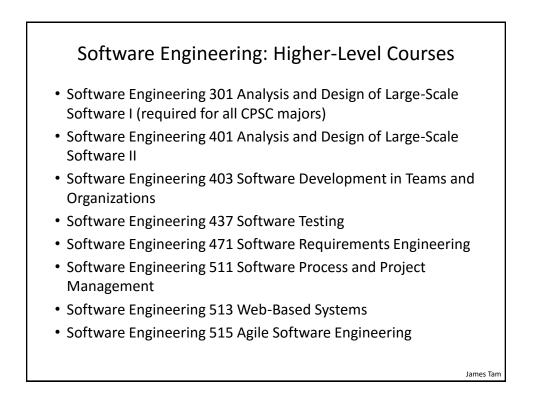
## Agile Programming

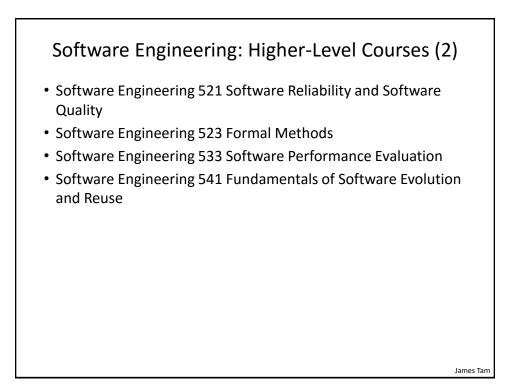
- The focus is on reducing risk by producing a new iteration/version of the software in a short period of time (~1 – 4 weeks).
- The project is then evaluated.
  - The emphasis is on real time and face-to-face communication between developers over written documentation.
  - Everyone associated with the project is brought together: developers, software testers, project managers and end users.
  - Benefit: reduced development time with fewer misunderstandings.
- Contrast with traditional development: formal processes are followed such as heavily documenting program code.
  - Versions are produced less frequently than with the agile approach.
  - Documentation is the way that others understand how the code works.
  - The client may be periodically be asked to "sign-off" on the software.

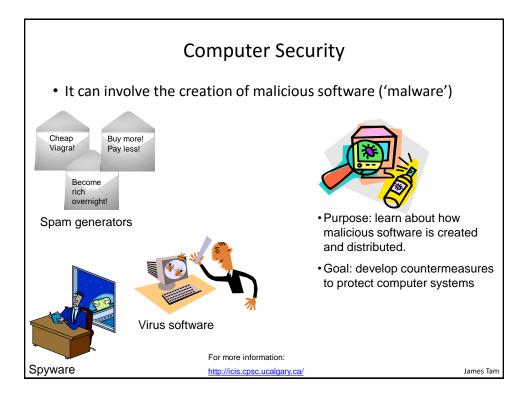
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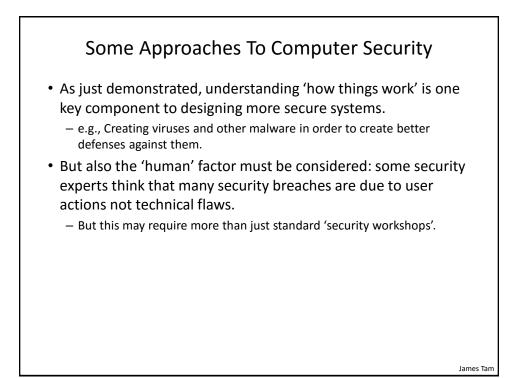




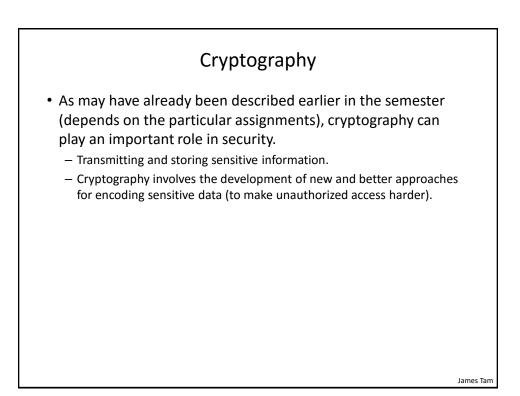


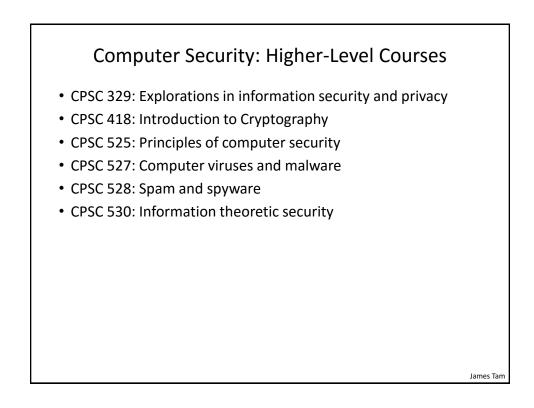


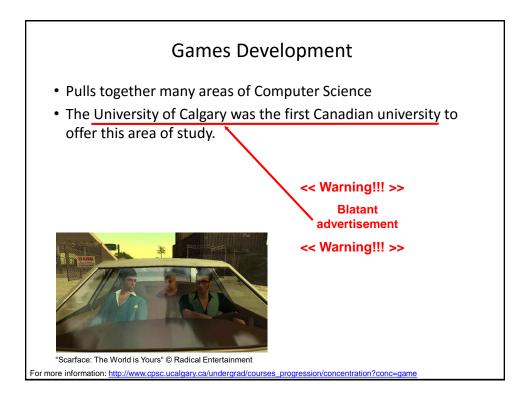


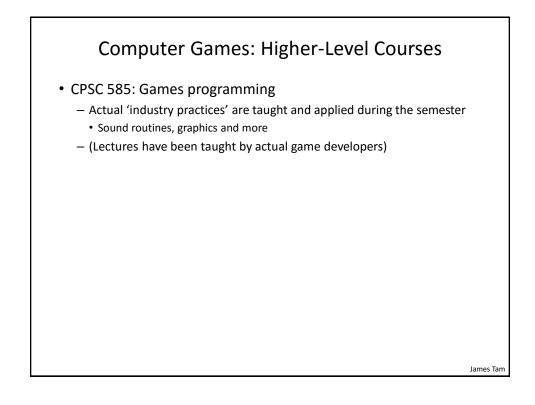


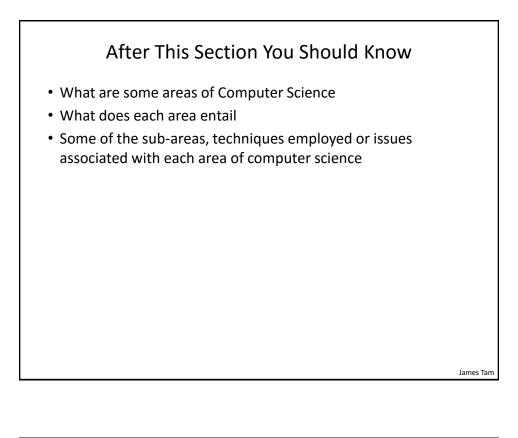
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## Sound And Other Special Effects

 Unless otherwise indicated they were produced and edited by James Tam :\$

James Tam