

Lecture 1

Introduction to Computer Graphics

SCC-1010: Graphics, 2019

Christian Millán

1. Introduction



“Computer graphics provides methods to generate images using a computer.”
(Klawonn, 2012)

“Science and art of communication visually via computer’s display and its interaction devices .”
(Hughes, 2014)

“Computer Graphics (CG) is the use of computers to generate images”
(Guha,2019)

Animate movies



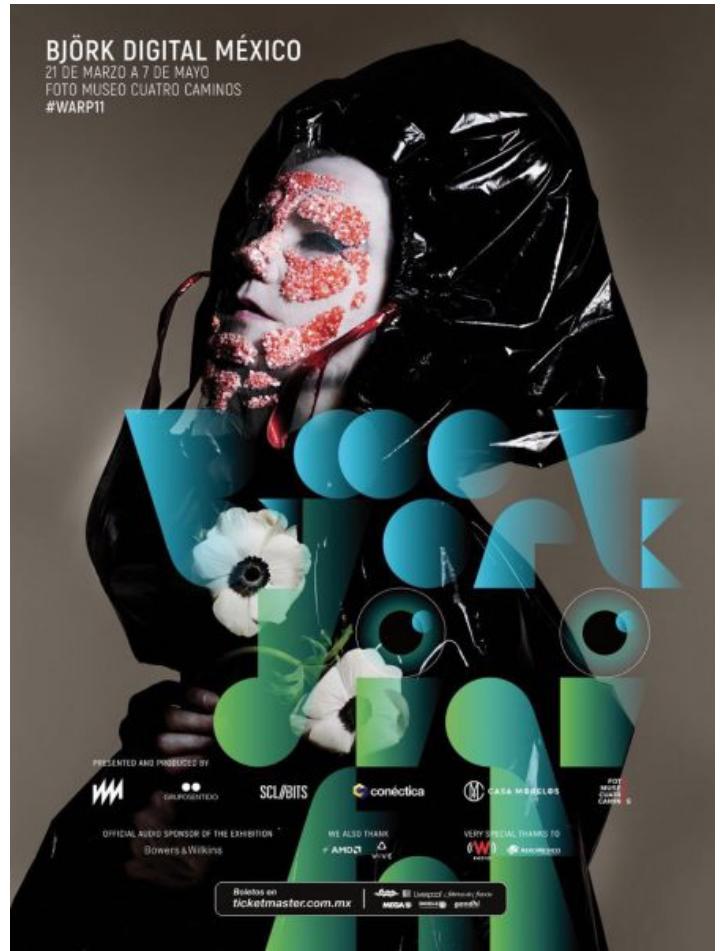
Music



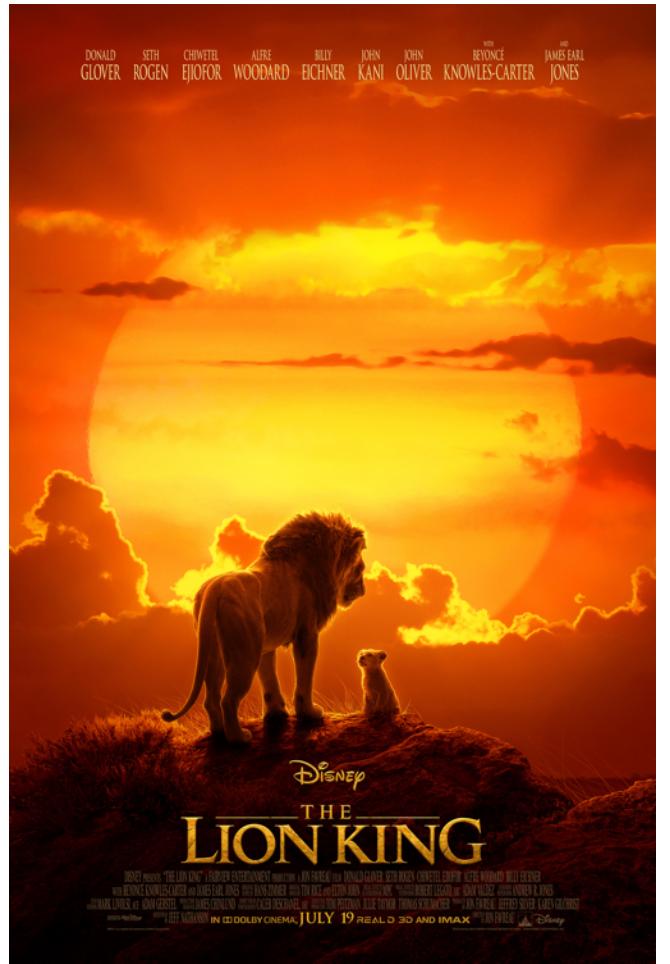
Christian Millán

SCC-1010: Graphics

2019



Movie poster



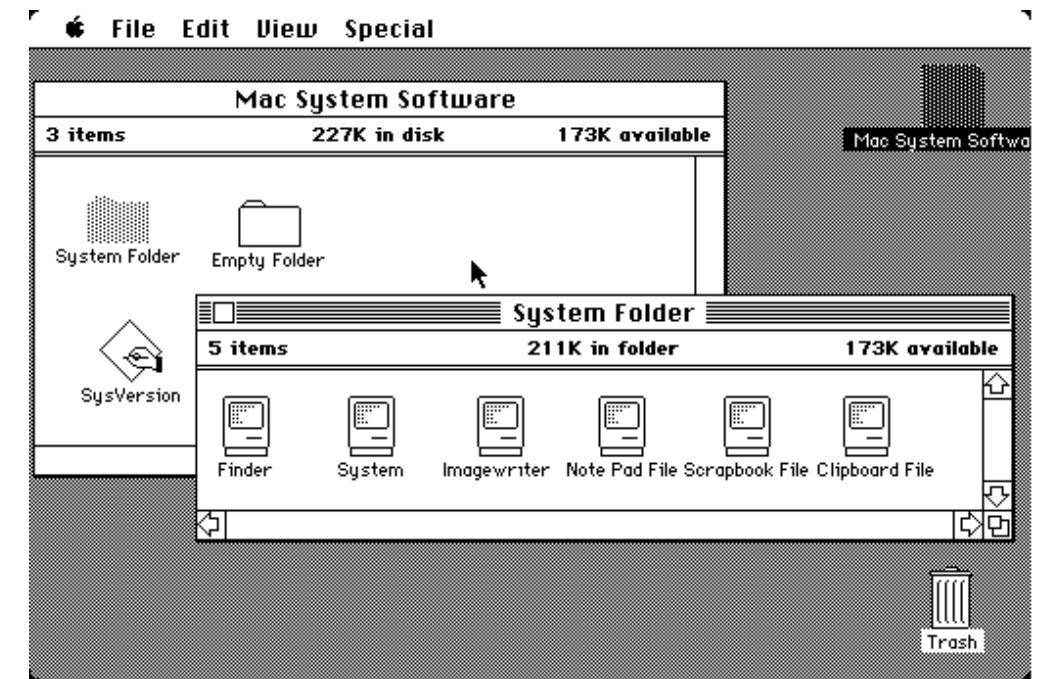
Advertising posters

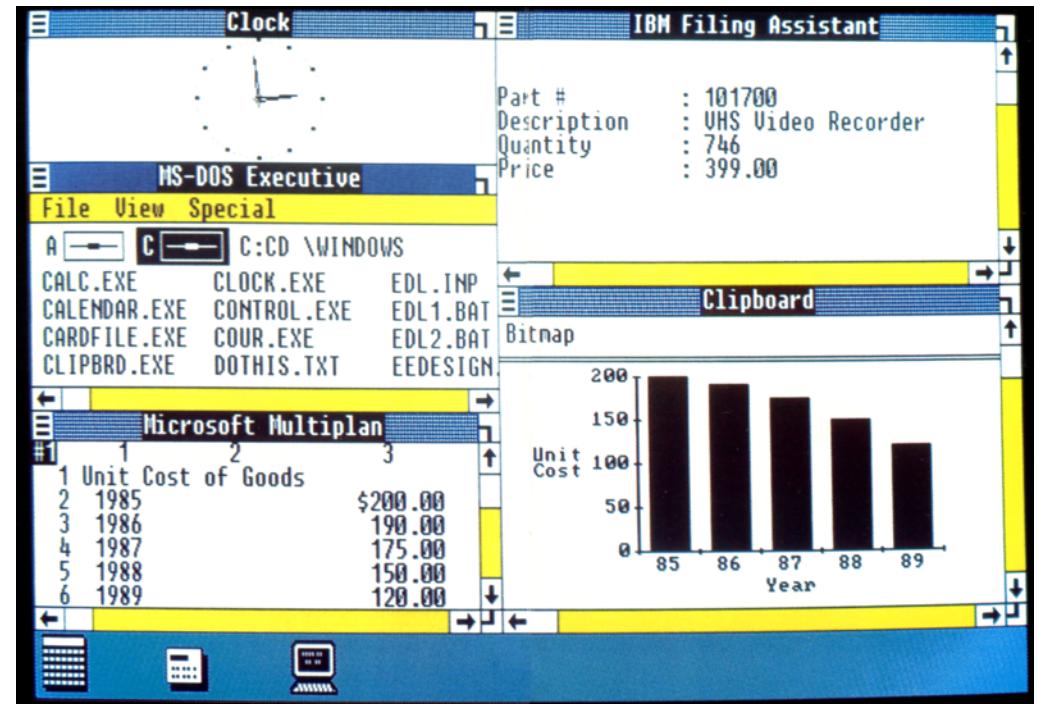
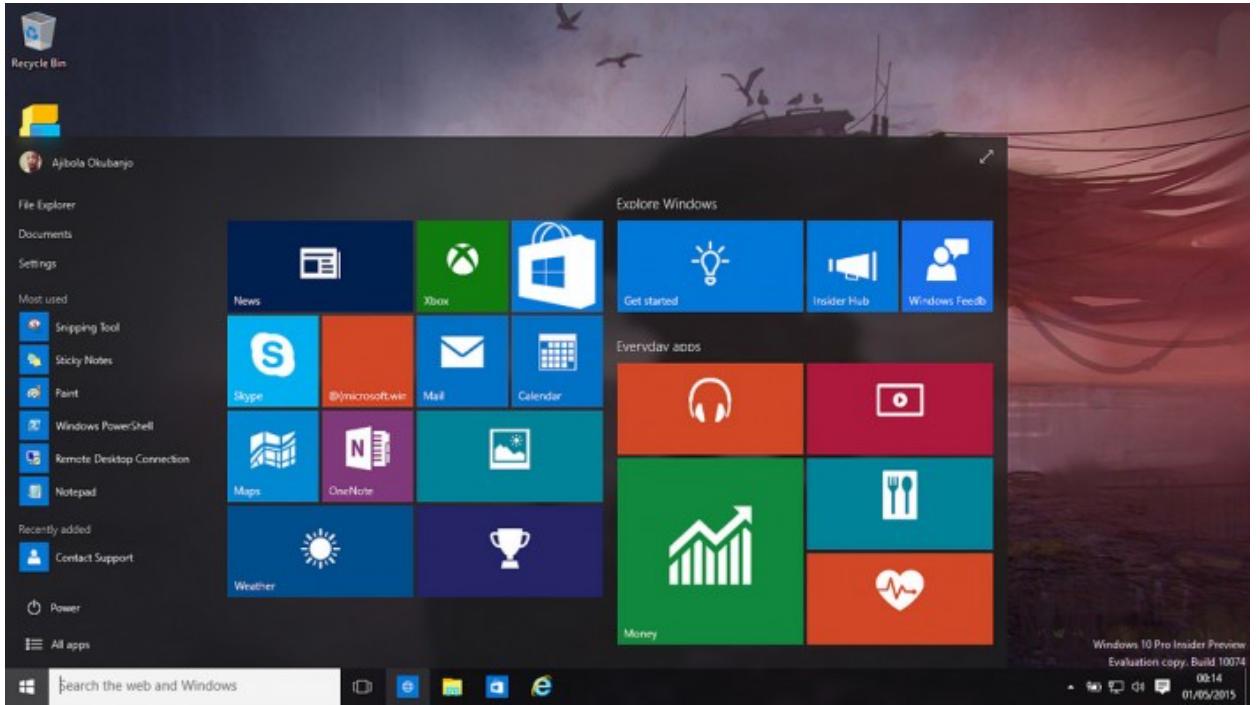


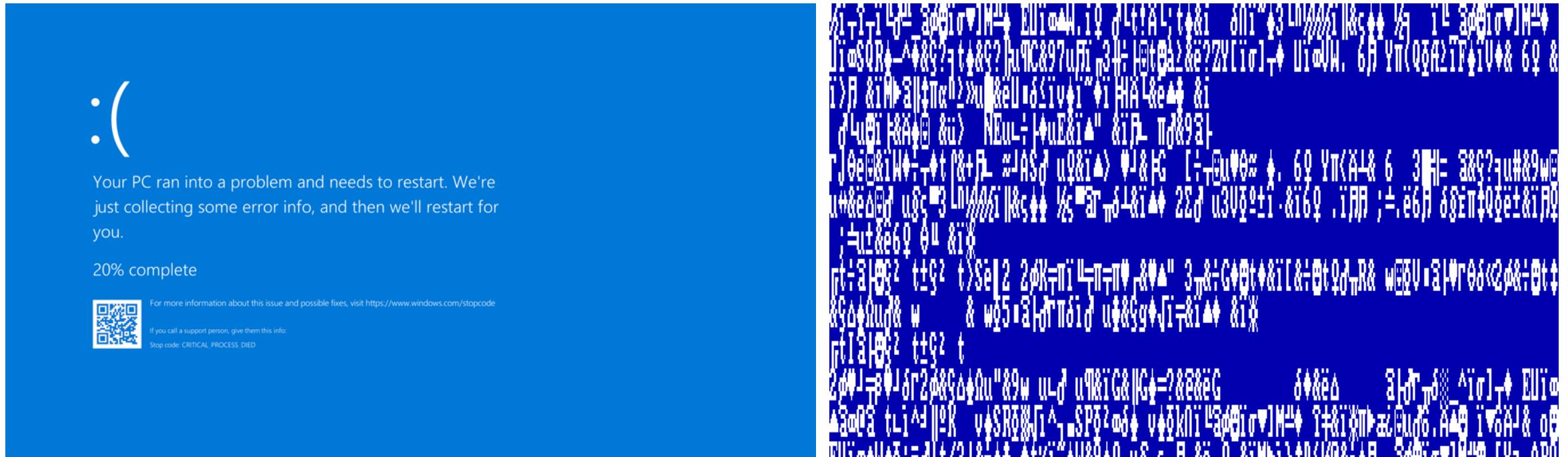
Video Games



Graphic User Interfaces







Charts

Capacity by Energy Source

When looking at capacity by source type, a few things jump out. First, notice the sheer number of energy sources used across the United States. More interestingly, notice the geographic stratification of energy sources...

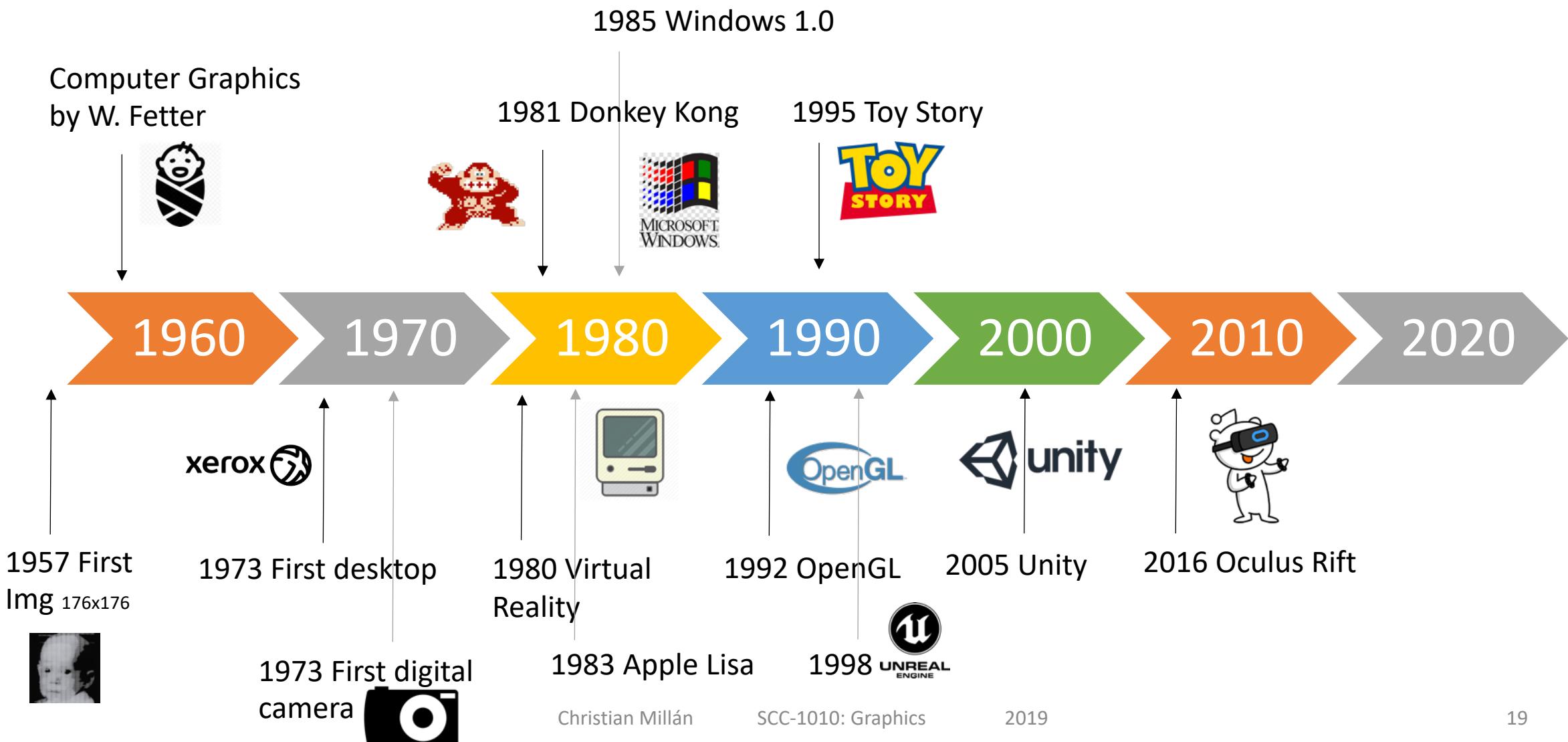
Power Stations

- Hydro
- Agriculture Gas
- Anthracite Coal, Bituminous Coal
- Black Liquor
- Electric Furnace Gas
- Intermediate Fuel Oil
- Geothermal
- Kerosene
- Liquid Coal
- Municipal Solid Waste
- Natural Gas
- Nuclear (Chlorine, Potassium, Thorium)
- Oil-Other
- Other Biomass Liquid
- Other Biomass Solid
- Other Gas
- Petroleum Coke
- Purchased Steam
- Residual Fuel Oil
- Sludge Waste
- Solar (Photovoltaic, Thermal)
- Subbituminous Coal
- Trees
- Waste/Other Coal
- Water (Conventional, Pumped Storage)
- Wind
- Wood Waste Liquids
- Wood/Wood Waste Solids



bing

1.1. Brief History of Computer Graphics



HW1: Summary

- Background and evolution of computer graphics