

Modern day apps and human computer interaction

Assignment 1- Evolution of HCI and UI/UX



Human-computer interaction (HCI) and user interface/user experience (UI/UX) design have gone through a lot of evolution from the early days of text-based screens to the advanced interaction seen today with IoT and AR/VR technologies. In the 1980s, when desktop computers emerged, HCI first revolved around simple interfaces for tasks like word processing and gaming. However, with the rise of the internet and mobile technology, HCI increased its scope further. The introduction of graphical user interfaces (GUIs) in the late 1980s made a significant shift, making computers more accessible to the public. As internet usage became widespread in the 1990s, websites started to play an important role in HCI, with designers focusing on improving navigation and visual appeal for the users.

The early 2000s saw the rise of mobile devices, leading to the development of user-friendly interfaces. The invention of touchscreens and gesture-based interactions further revolutionized UI/UX design. With the arrival of IoT in the early 2010s, HCI evolved to include interactions with interconnected devices, covering the way for a smooth integration between digital and physical environments. The integration of AI technologies, such as speech recognition and natural language processing, further improved user interactions.

Moreover, the introduction of AR/VR technologies in recent years has pushed the boundaries of HCI, enabling immersive and interactive experiences. Today, HCI and UI/UX design continue to evolve, focusing on creating observant interfaces that anticipate user needs and provide proper interactions across various platforms and devices. As technology continues to advance, the number of possibilities for HCI and UI/UX design are endless, promising even more innovative and immersive experiences in the future.

References:

Human-Computer Interaction (HCI) meaning, importance, and examples. (2022, July 22). Spiceworks.
<https://www.spiceworks.com/tech/artificial-intelligence/articles/what-is-hci/>