

# Another AR App: Teleconferencing

In 2009, Nuvixa\* (later Personify)

- used a depth camera combined with edge detection
- to segment and extract humans from video,
- overlaying them in real-time on other video feeds, slides, and so on.

More than a decade later, such features are common to many tools.

\*Founded by UIUC ECE faculty.

The Big Picture

Program

CPU x86

Memory

PIC

(1) new processor, new ISA (~1.5 weeks)

(2) interactions between hardware and software (dealing with asynchronous interactions, ~5 weeks)

391 Lecture Notes, Lecture 1  
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experiment from 2012