



Human Machine Interfaces

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Currently, in order to fully understand data, we must make a conscious link between it and its physical real world context. To overcome this limitation, the information has to be fluidly integrated with reality itself. To accomplish this, I am programming the Google Glass to create 3D augmented reality holograms that intelligently overlay live digital information onto real world object markers. In addition to piping functions, data, and holograms onto reality, I have been able to integrate hand gestures as input, allowing me to not just blend the digital layer of information with reality, but also interact with it dynamically. Finally, because I believe in the open source philosophy, all my programs and documentation are available online for future students to experiment with.



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