



## 1. What will the focus of your project be?

History has a great importance in social terms as it helps people know their origins; through an historical perspective we can learn and make some important decisions. Every person has been learning history through all his life: starting from family, going to school or by traveling and visiting historical sites, memorials and museums, history is part of what we have lived in the social experience. Every particular person has lived a part of the history.

Because of this multiple “histories” conforming what we know as “History”, during time some facts and details can be altered or even forgotten: People who has participated in one or another “history” will eventually die and how they are remembered depends on different factors. For these reasons, we would want to create something that will perpetuate each story and each detail, and also take into account both the known facts and memories of people who had been involved directly in those stories. That derives in an idea that merges two experiences: 1) visiting a place of history and 2) talking to a person engaged that will give the viewer an unforgettable understanding of history.

The focus of our project will be recreating historical events from people who lived those moments, bringing them to the streets as they were via mixed reality and making them interact with people. We believe that it is important for people to learn, know, and understand history because is part of what they are living now.

## 2. Whose experience will be improved, or whose problem will you solve?

Initially, we were thinking about *students* and *teachers*. With this technology it will be much easier to learn and understand history for the formers. Moreover, this way to perceive knowledge will be more engaging and interesting. In the case of teachers, it would access a brand new pedagogical tool.

Anyways, while we were developing the idea, we understood that this technology will also improve *tourists’* experience.

In addition, the same technology can be used in the work with *veterans* with post-traumatic stress disorder to recreate particular events: scientists research indicates that sometimes “living through” their experience again could help during the therapy.

In general terms, the development of this project could help the entire *society*, as it different uses could reconstruct and improve people's experiences as well as the memory of an entire society.

### **3. What technological innovations you will consider and why**

- A device that helps to record and reconstruct people's memories<sup>1</sup>
- A software (AI algorithms) to "create" a historical event by combining facts and memories (to create virtual buildings, people, etc.)
- A device that will reproduce the virtual reality created through the software into reality via 3-D holograms<sup>2</sup>
- An AI character that interacts with people (participants can not only watch the events of the history "real-time" but interact with its elements, e.g. people who would talk in the manner of a certain historical epoch and tell more about the events)

### **4. What kind of research will you conduct, with who and with what aim?**

Firstly, we want to find out people's opinion on history and the way it is being taught to everyone. So it would be interviews with general questions about history, for example: Do you feel connected with history?

Also, we will look online through the scientific researches about interactive learning as the best way to educate and researches concerning the help of "re-living through" the events during therapies.

In addition, we found an article with an idea of interactive learning of history, though it uses augmented reality. We believe that this way is still not efficient enough as it is not a direct interaction but a mediate one, but we think that combining augmented reality with a 3-D hologram interactive system could result in a more direct experience. We believe that the best way to learn is through the empathy and direct engagement.

### **5. What will be the final artifact you will submit?**

- A video

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<sup>1</sup> <http://gizmodo.com/5843117/scientists-reconstruct-video-clips-from-brain-activity>

<sup>2</sup> <http://www.digitaltrends.com/cool-tech/researchers-develop-real-floating-3d-hologram/>