

Ian Spangler: Project Proposal

Psych & Design: HCI
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My proposed project is derived directly from my thesis project and is a variation on one of its components. The thesis project is a web-based virtual experience that explores the interrelationship between thoughts and emotions. It is driven by a database of positively and negatively inflected words and phrases that become the building blocks of thoughts – thoughts whose associated emotions express themselves dynamically on the changing face of a digital avatar.

The goal for this class is to make use of one or more data sources or “connotative dictionaries”, such as [LIWC](#), that give some statistical weight to word-emotion mappings (averages for a large number of words and phrases in the English language). The intended result is that a user will be able to type or enter a block of text, a piece of creative writing perhaps, in the text field of an interface, and then see how a “universal” human face processes it emotionally.



My own form of video processing using separate matted image sequences for 3 facial components — eyes, eyebrows, and mouth/ lower face.

Click [here](#) to see these facial expressions in action.