Development of a Virtual Environment for Visualizing Emotions

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Osaka, Japan
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PROGRESS

Visual Application
- Imports any .obj file and displays animated particles at each vertex location.
- Particles change colors according to mood type.
- Refactored code.
- Built more complex tree models to test with, and so far all are working.

EEG
- Tested EEG device near the 3D wall. There is a lot of noise affecting the data read in, so I need to determine what is the cause and filter it out.
- Tested EEG device on a co-worker in the lab, and the data output is good.
- Closing and opening of the eyelids is easily distinguishable in the readings.
- Tried watching different video clips intended to induce feelings of happiness and sadness, as well as tried listening to different types of music with the headset on. There are noticeable changes in the output, but need to test on more people in order to garner any conclusions.
Visual Application
- Get approval from Inoue-san in order to receive access to the REI (Ray Emergent Imaging) library, which I will use in order to transfer my Unity instances to the 3D wall.
- Meet with Yasuda-san, who will help with usage of the library.
- Adjust graphics accordingly due to depth limitations of the screen.
- Continue working on beat synchronization.

EEG
- Determine sources of excess noise captured in the location of the 3D wall in order to filter it out.
- Continue gathering data for analysis by testing the device on myself and others.
- Narrow down which video clips will induce greater reactions and changes in brain activity.
EXPERIENCING JAPANESE CULTURE
JUST A FEW OF THE ACTIVITIES FROM THIS WEEK

Tanabata Evening at Tennoji Temple
Fushimi Inari Taisha in Kyoto
PRIME 2015

Bamboo forest by the shrine
Candle lighting at Tennoji
Dotonbori during daytime
JAPANESE CUISINE
いただきます

1. Honey brick toast cafe
2. Huge cheese tart
3. Mango shaved ice at Shitennoji
4. Ramen ordered from a vending machine
5. Japanese melon cream-filled bread at the train station
6. Tried Natto from the supermarket
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