

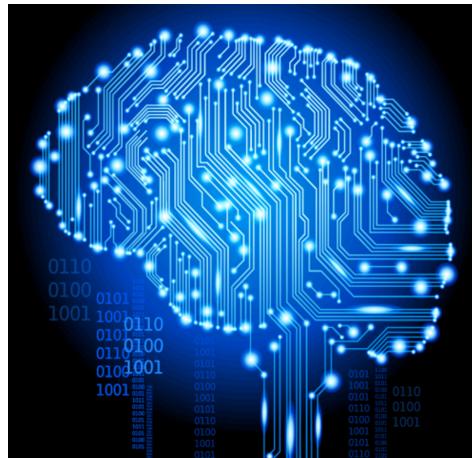
EPOC: Emotion Personalized | Online Chat

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Motivation

Artificial Intelligence (AI)



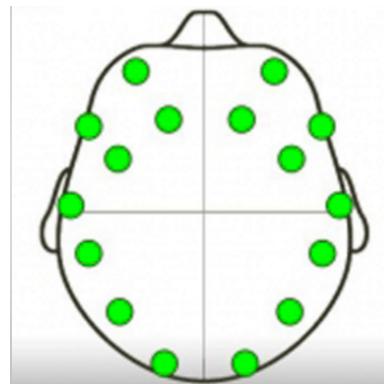
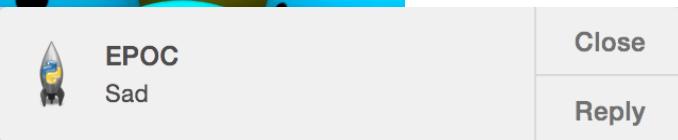
Human Computer Interaction (HCI)



Emotiv - EPOC

Demonstration

Emotion-based Desktop Environment Modifier

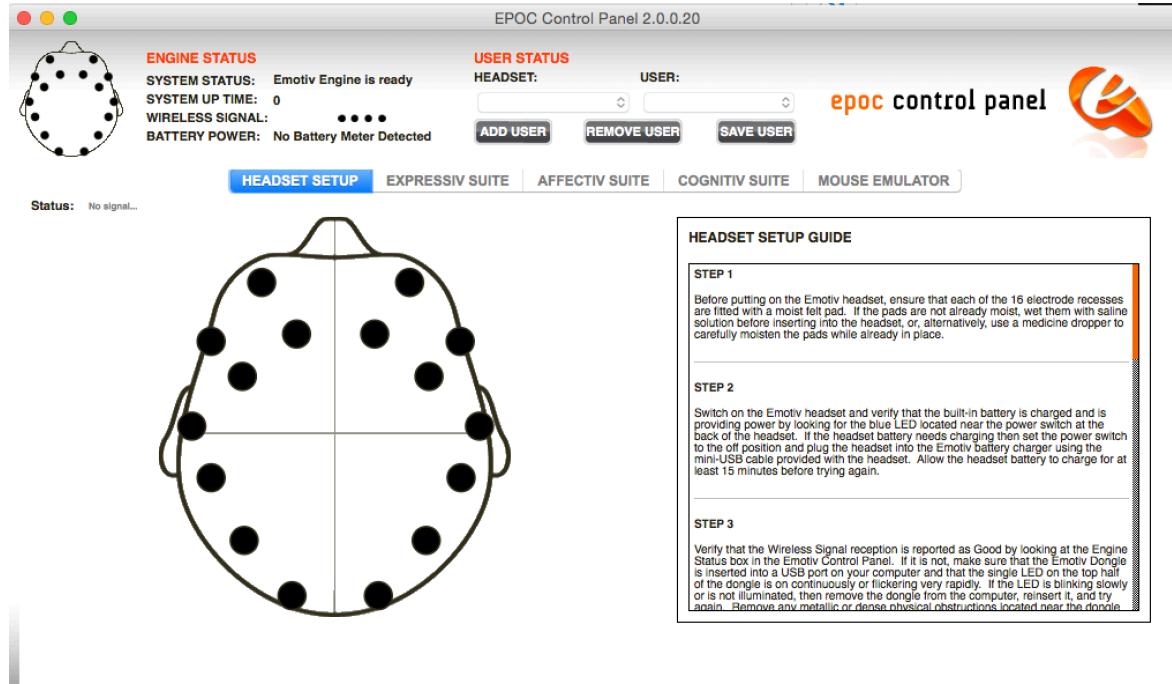


Automated Communication Companion



Implementation

- EPOC SDK For Mac Community Version (Emotion Logging)



Control Panel

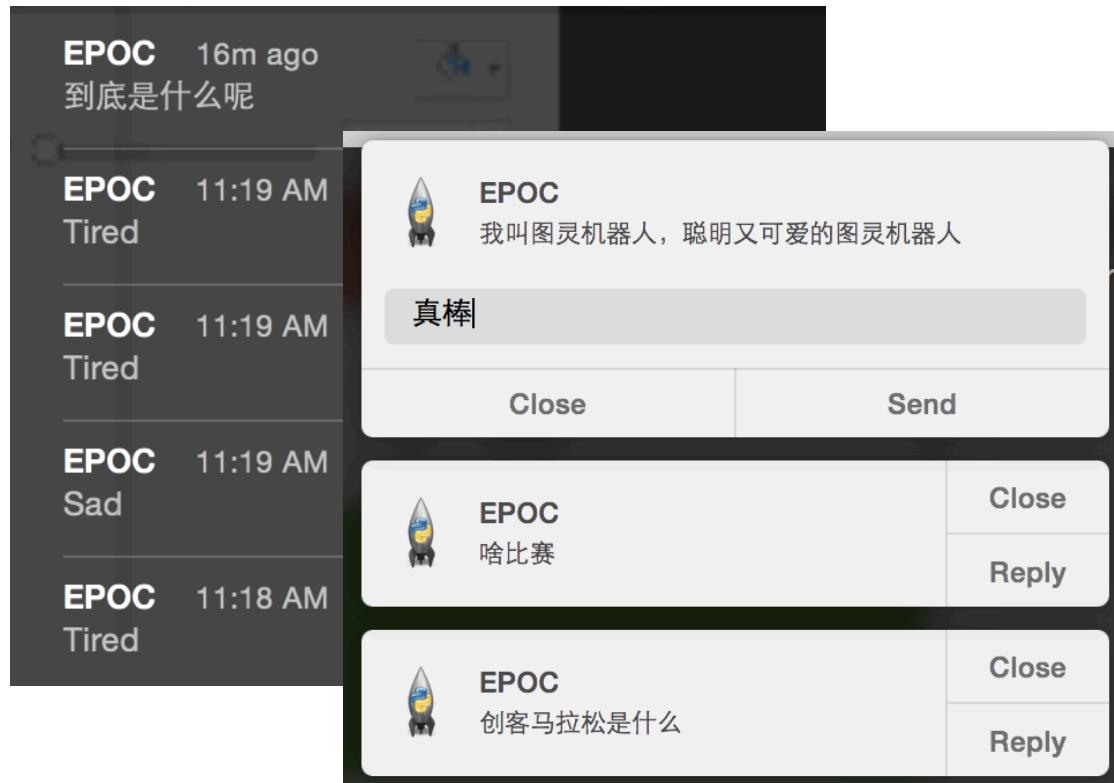
```
enum IEE_MotionDataChannel_enum {  
    IMD_COUNTER = 0, IMD_GYROX, IMD_GYROY, IMD_GYROZ,  
    IMD_ACCX, IMD_ACCY, IMD_ACCZ, IMD_MAGX,  
    IMD_MAGY, IMD_MAGZ, IMD_TIMESTAMP  
}
```

Motion data channel description. [More...](#)

EPOC SDK (C++)

Implementation

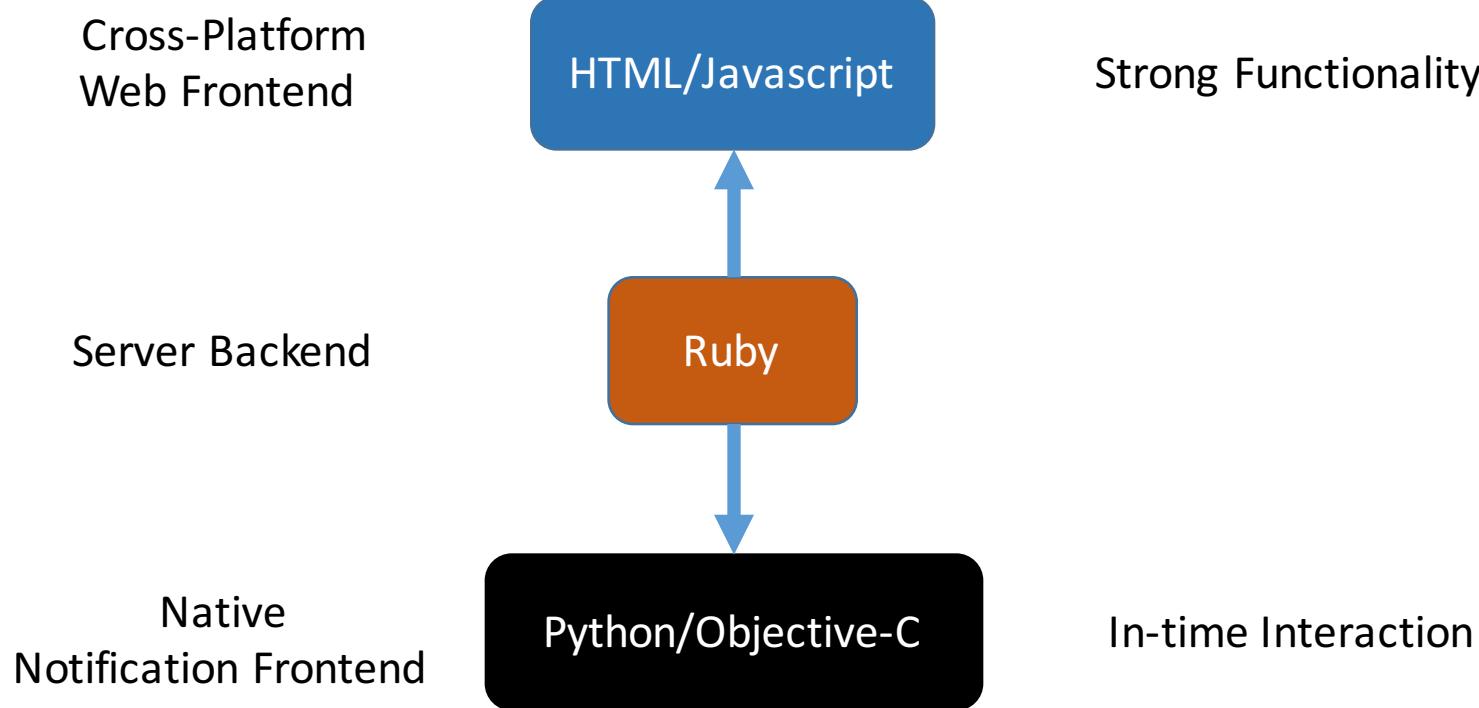
- OSX Notification Center
- Automated wallpaper/music switching



```
> # Wallpaper  
> osascript -e “...”  
  
> # Music  
> cmus-remote
```

Implementation

- Responsive Web App with Tuling API



In-time Interaction



Advantages

Brain Human Interface:
A new possibility for
Human Computer
Interaction (HCI)



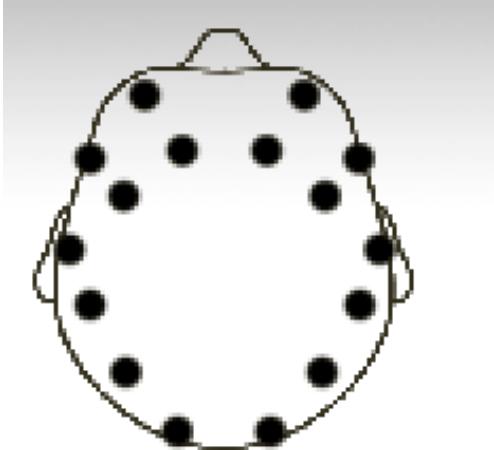
Gather crucial data
(expressions, speech) for
research in human behavior

Help certain people
deal with mental
disorders and afraid
of society.



Limitations

Hardware and SDK



Status: No signal...

Privacy Issues





Press Interview
with International Channel Shanghai

Thank you!
Any questions?

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