

Blinkshot

Plan

Week 9: user experiment ≥ 6 people; libs selection

Week 10: user experiment finished; visual fixation recognition, single blink recognition

Week 11: to be continue...

Milestone 1

- Experiment(2 people)
 - research for current existing eye gestures
 - experiment:
 - describe our project, ask for suggestions
 - preference study

1. comfort for screenshot
 2. confusion with habits
 3. user preference: frequency/pattern/...
 4. current set of gestures:
 - a. Staring 注视: how long to get recognized?
 - b. Blink 眨眼: frequency(n times/m seconds) | pattern | eye closing time/eye opening time
 - c. Squeeze eyes shut 用力眨眼
 - d. Raise eyebrows 挑眉
 - e. angle of face/head motion (点头/抬头/低头/侧脸/歪头):
spec: 平时使用手机的姿势
 - f. to be continue...
 - design eye gestures
- Technique(2 people)
 - android? java/kotlin?
 - staring recognition
 - blink recognition
 - face information