
주간 보고

Finger Keyboard – Open CV



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이번 주 한 일



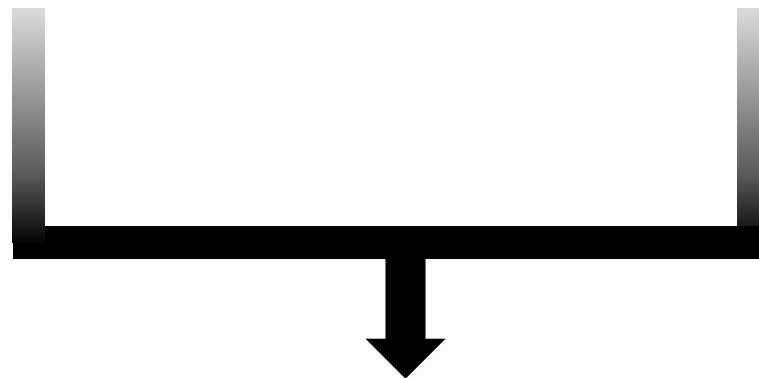
- Camera Calibration
- Code Refactoring - C \rightarrow C++
- Finger Tip Detection
- Motion Vector - Motion Vector – Frame
- Key Event





**Intrinsic
Parameter**

**Extrinsic
Parameter**

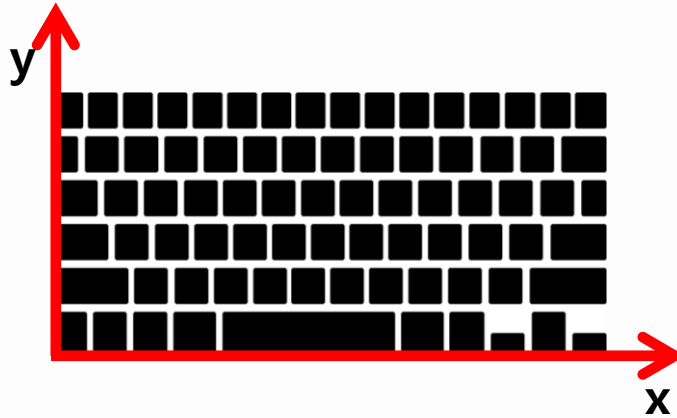


- radial distortion
- tangential distortion



01 - 1

Camera Calibration



- world Coordinate

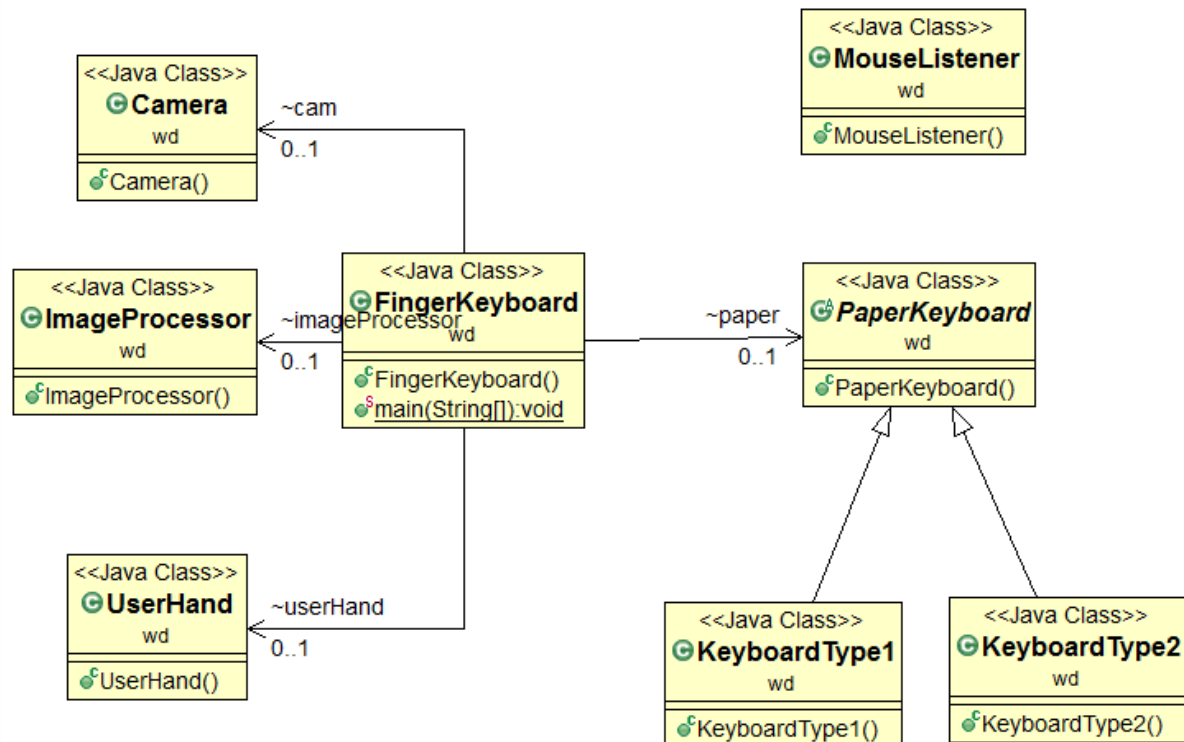


- Image Coordinate



Code Refactoring

- Class Diagram



01 - 3

Finger Tip Detection



Open CV

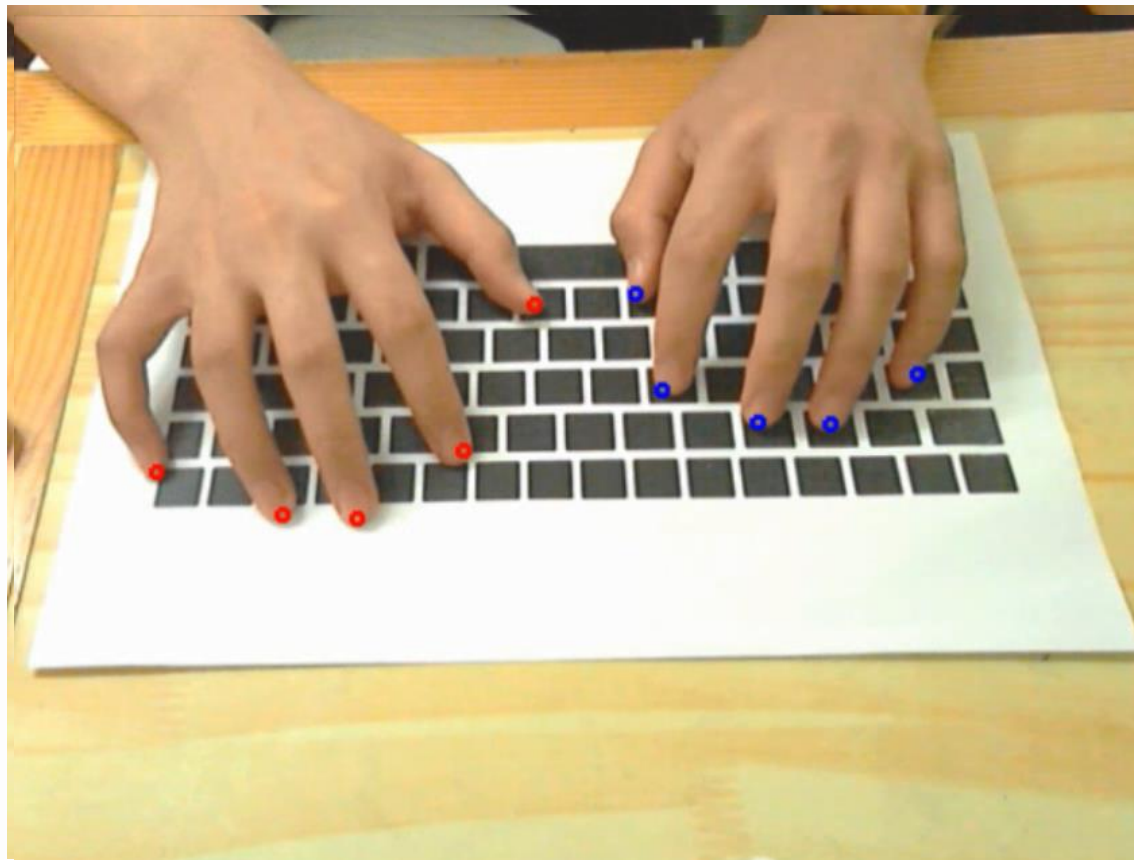


Binary Image

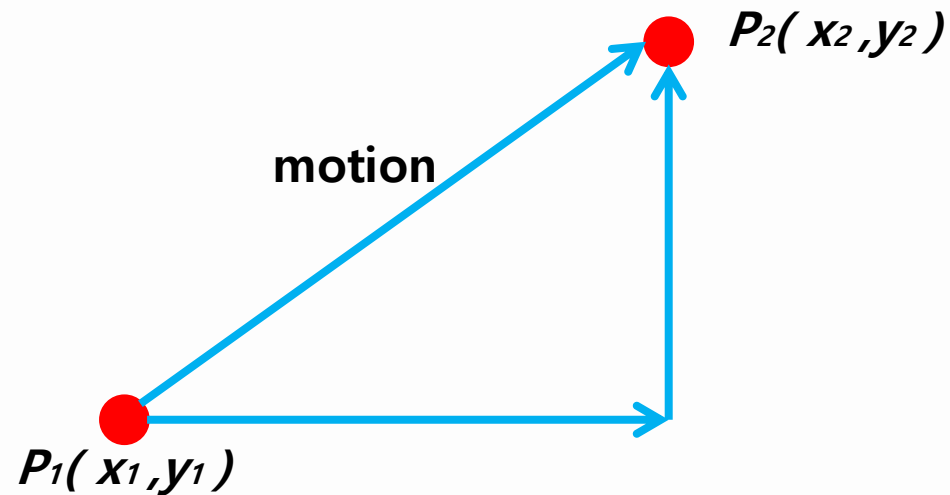


01 - 3

Finger Tip Detection



Motion Vector

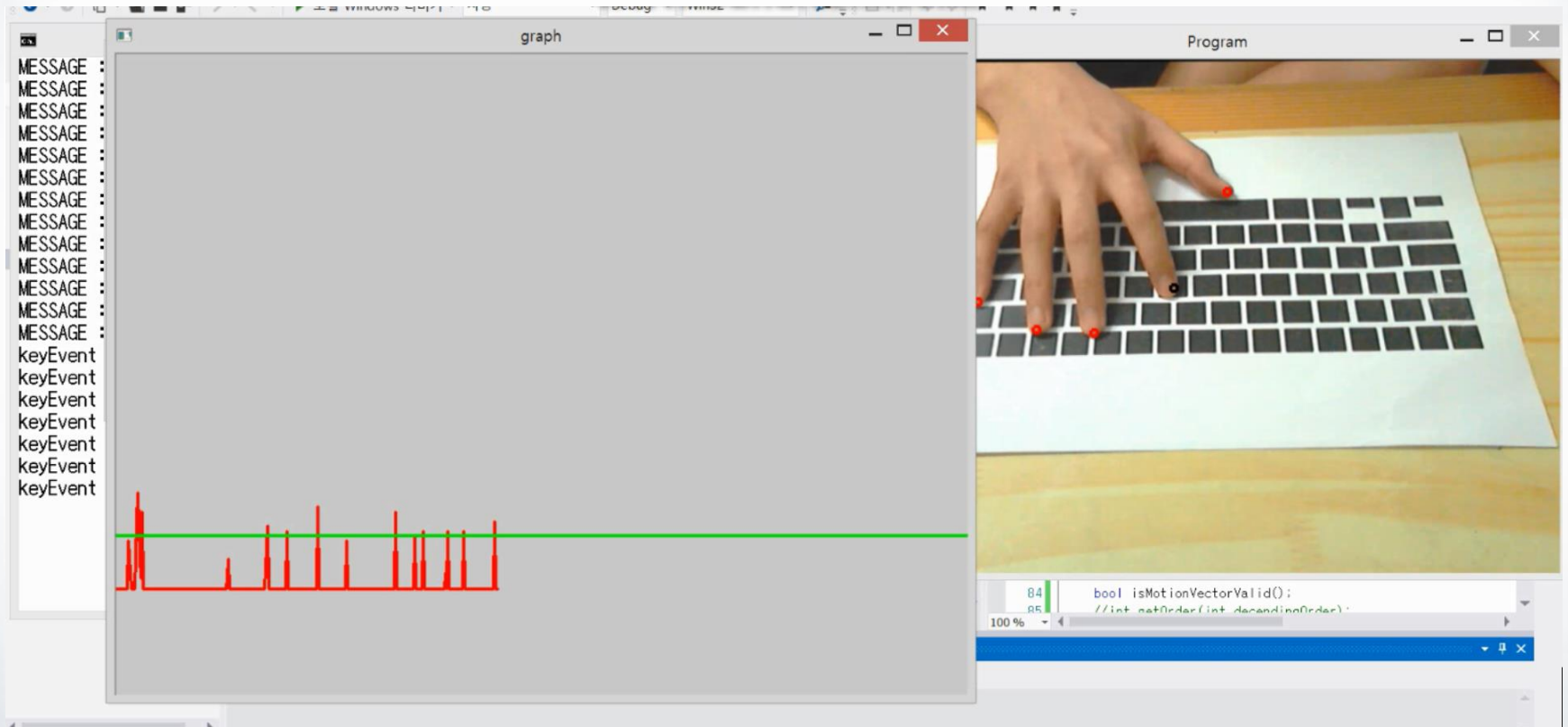


`graph[finger][frame] = motion`



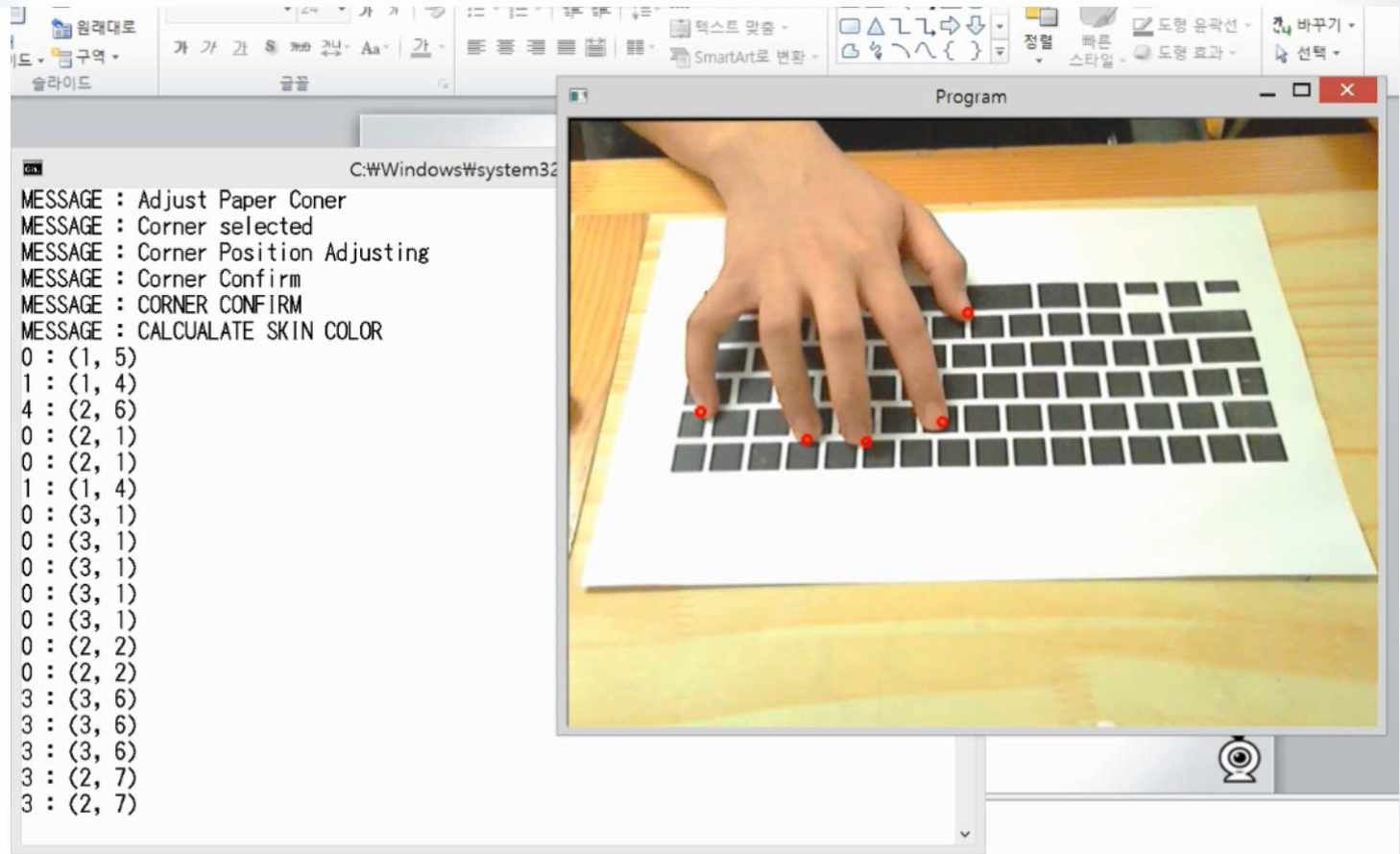
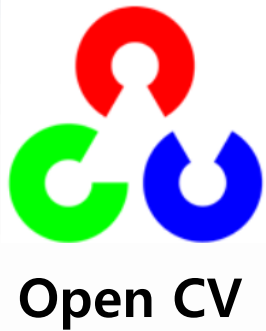
01 - 4

Motion Vector - Frame



01 - 5

Key Event



다음 주 할 일



Open CV

- 손 끝 추출 개선
- 이벤트 조건 개선
- 실제 키 발생
- UI 입히기
- 마무리 작업

