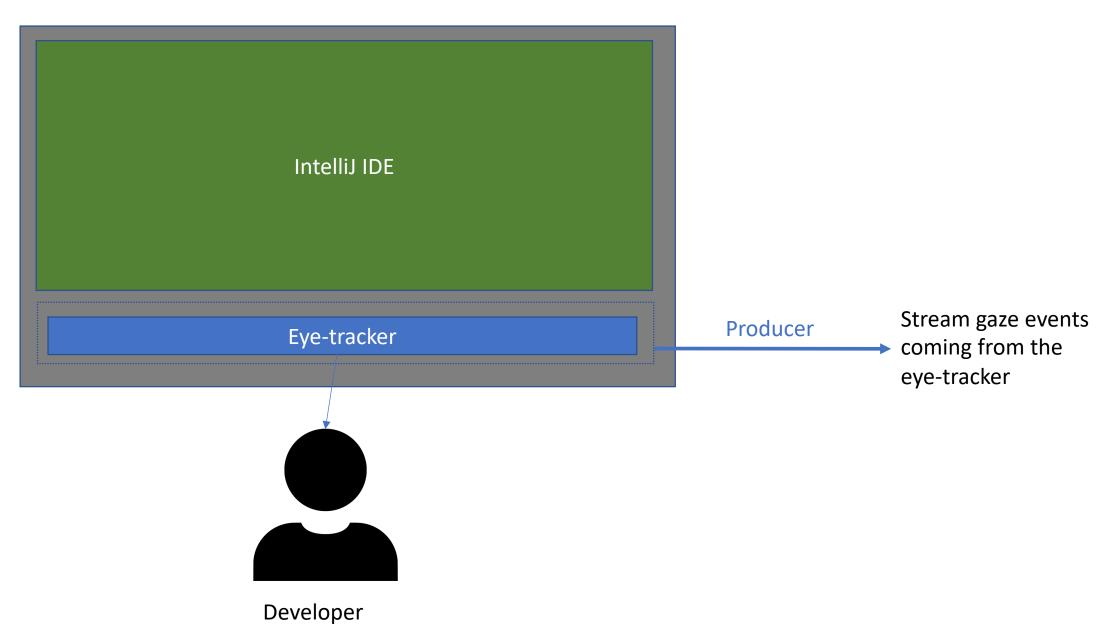
Lab12 Part 2

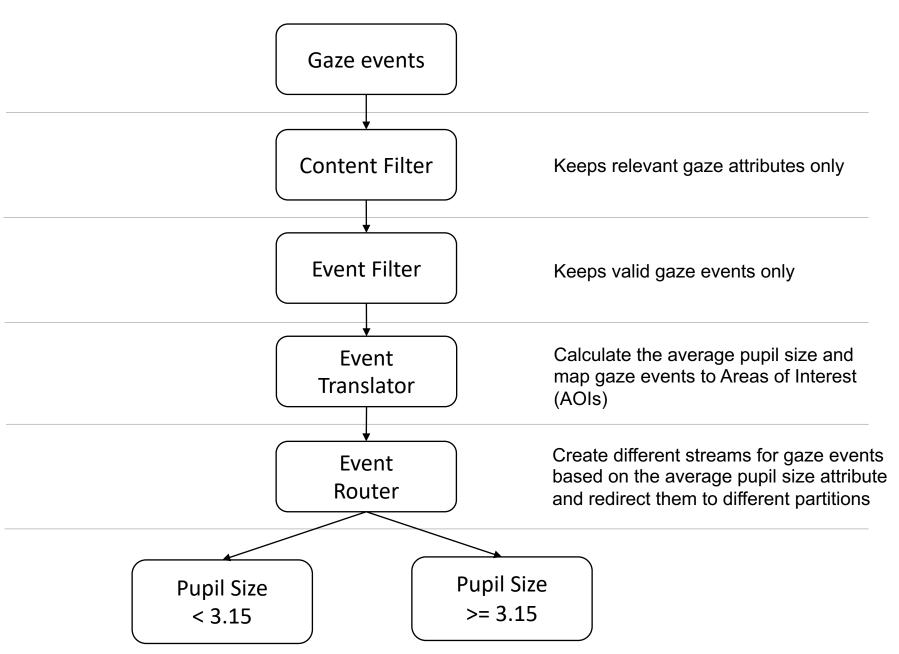
Dr. Amine Abbad-Andaloussi



Computer screen



Overview of the topology



Content Filter

Stream

Gaze Events with all attributes

Timestamp

XposLeft

YposLeft

XposRight

YposRight

ValidGazeLeft

ValidGazeRight

PupilSizeLeft

PupilSizeRight

ValidPupilSizeLeft

ValidPupilSizeRight

XDistance

YDistance

ZDistance

EventSource

SystemMemory

Timestamp

XposLeft

YposLeft

XposRight

YposRight

ValidGazeLeft

Valid Gaze Right

PupilSizeLeft

PupilSizeRight

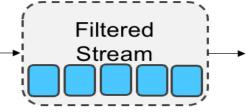
ValidPupilSizeLeft

ValidPupilSizeRight

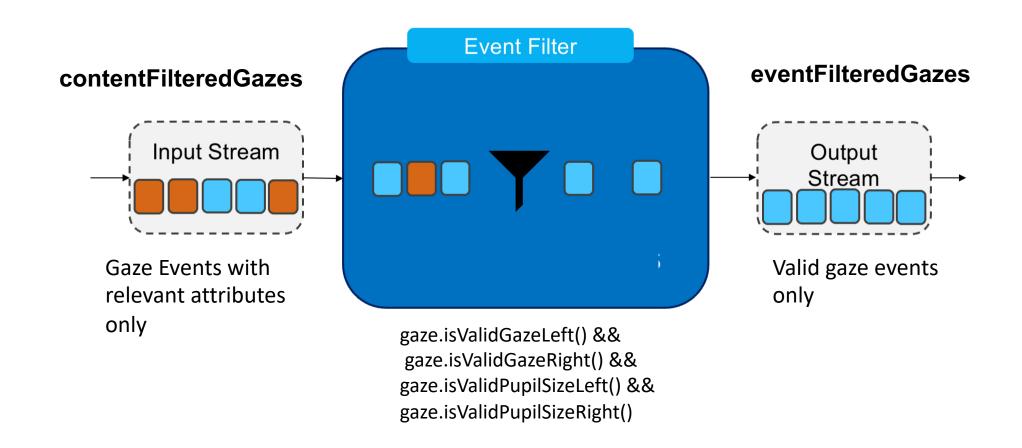
Original Event

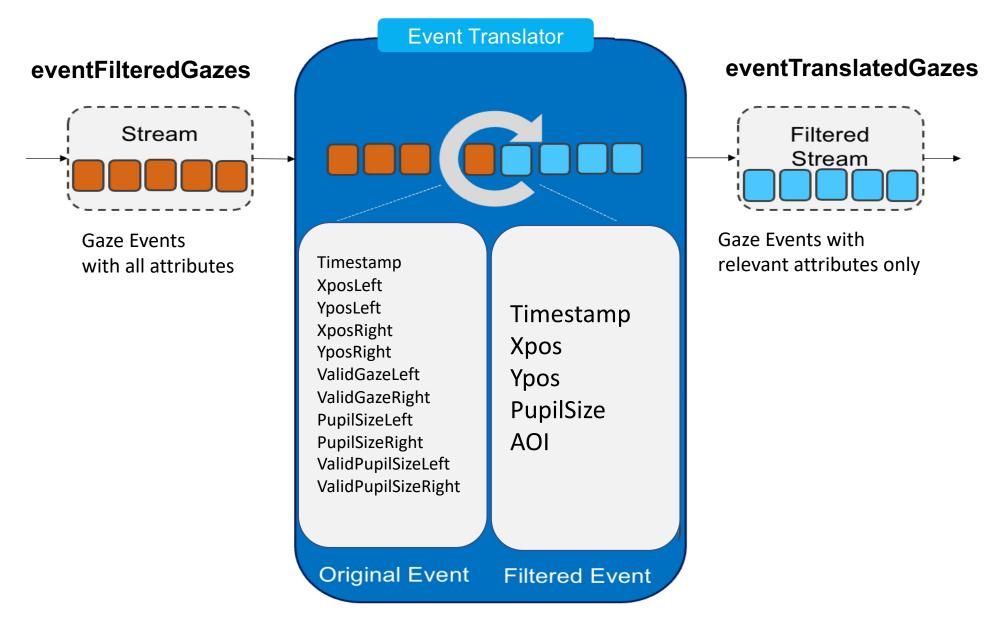
Filtered Event

contentFilteredGazes

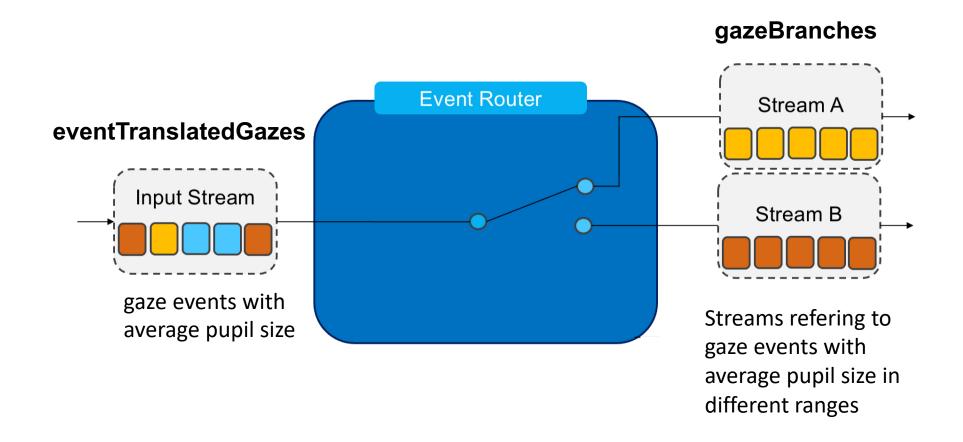


Gaze Events with relevant attributes only





- Compte xpos ad ypos from the left and right positions of gazes
- Compute average pupil size from the left and right pupil sizes
- Map the gaze x and y coordinates to the corresponding area of interest (AOI)



• Route the gaze events based on different pupil size ranges