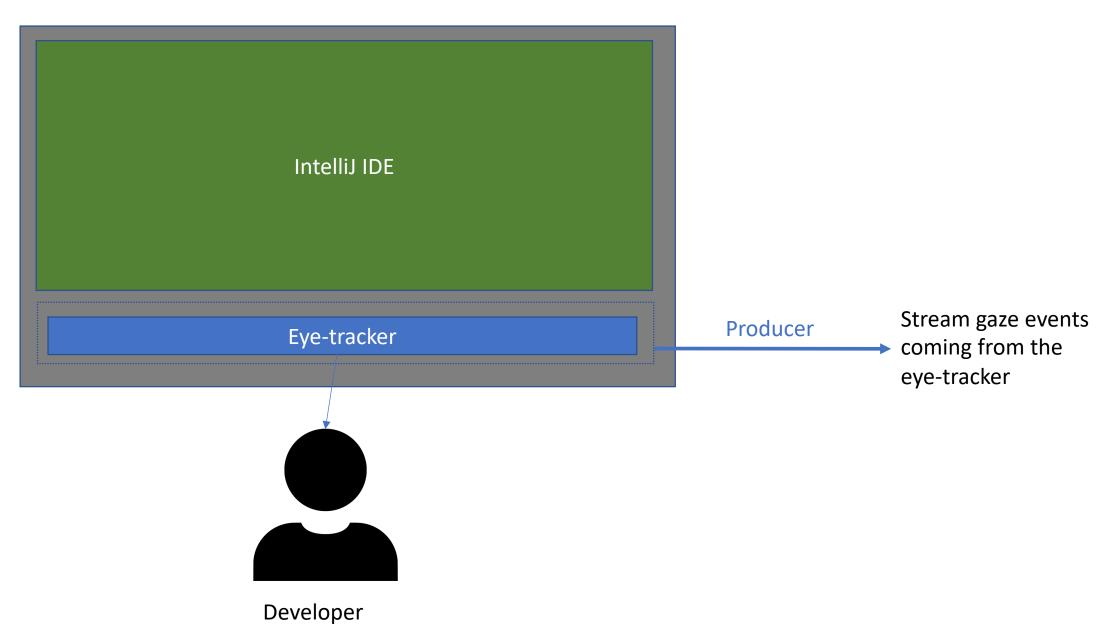
# Lab12 Part 2

Dr. Amine Abbad-Andaloussi



## Computer screen



### **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

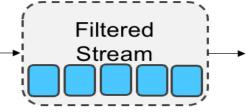
ValidPupilSizeLeft

ValidPupilSizeRight

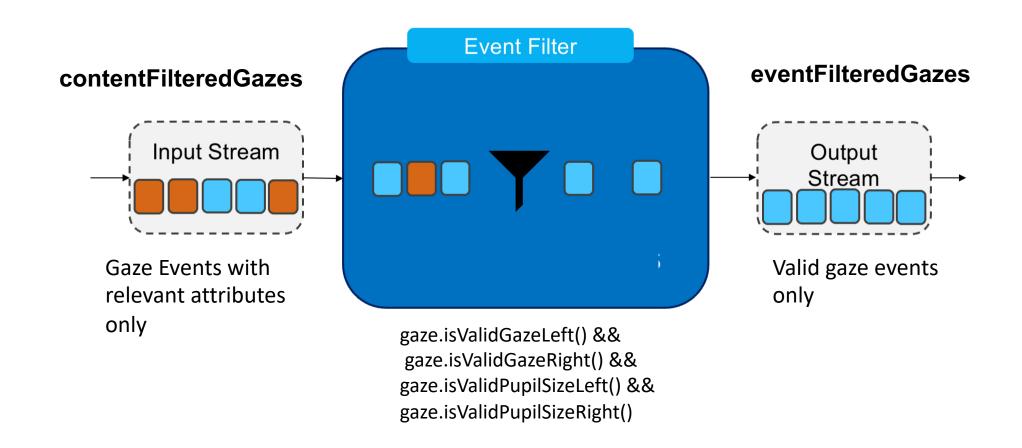
**Original Event** 

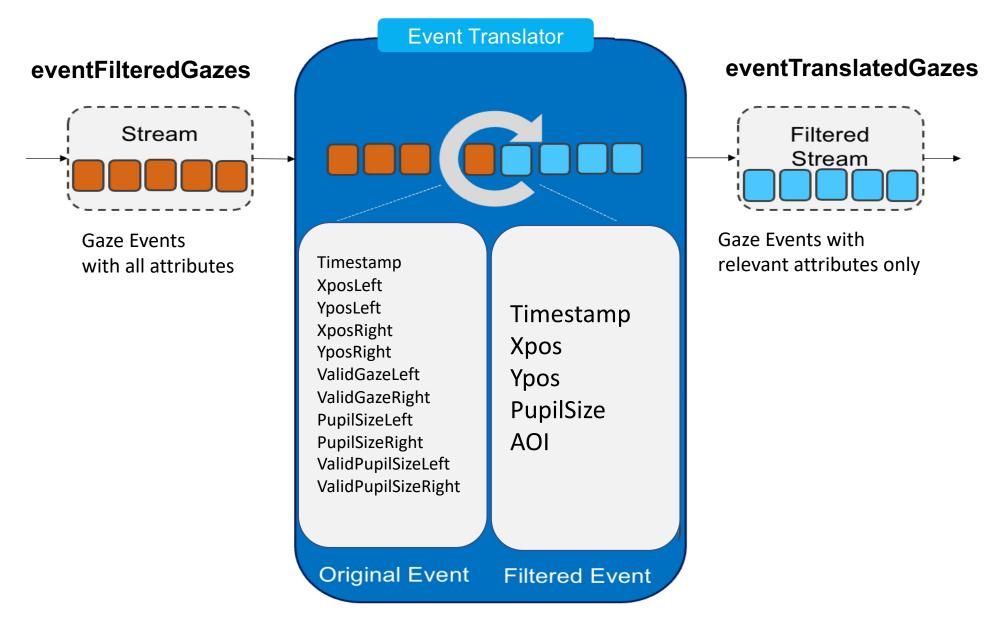
Filtered Event

### contentFilteredGazes

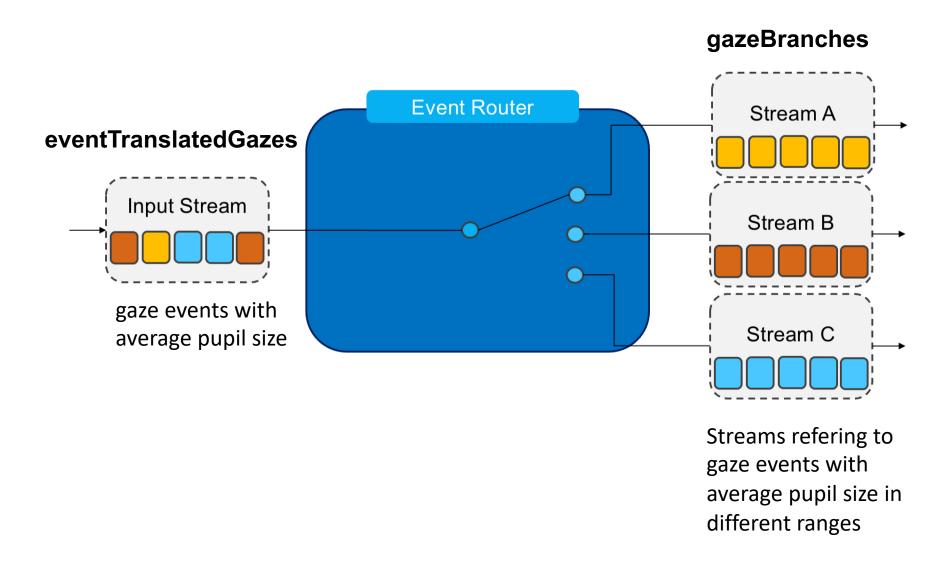


Gaze Events with relevant attributes only





- 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

# Overview of the whole pipeline

