Camgaze.js: A JavaScript Library for Eye Tracking and Gaze Prediction

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- Usually done using IR or 3D cameras
- Some webcam technologies have emerged
- However, no in-browser solutions have been presented soley using HTML5
- Until now :)

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- We can create more intuitive user interfaces
- Using the web, we can crowd source where people are looking at on the website
- Also, since all of the eye tracking is done on the client side, we can preserve user privacy

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- Uses only commodity camera (i.e. a webcam)
- Anybody can use the library without downlading any external program besides a web browser
- It is possible to determine where the user is looking on the screen whilst preserving user privacy and limiting server load

Overview

1. Obtain video from using Web RTC (Real Time Communication) library
2.