**Group 27 Project Proposal**

**Description:**

OpenCV is a library aimed at real-time computer vision. The library is [cross-platform](http://en.wikipedia.org/wiki/Cross-platform). It focuses mainly on real-time image processing. If the library finds Intel's [Integrated Performance Primitives](http://en.wikipedia.org/wiki/Integrated_Performance_Primitives) on the system, it will use these proprietary optimized routines to accelerate itself

**Link to forked GitHub repository**:

<https://github.com/HelenWong/opencv>

**Contribution plans:**

1. Fixing Bug #3714(Imshow() function for big images bug) found on OpenCV DevZone:

* Bug Description: Bug is shown for images of size bigger than 1280\*960 pix. Developers mention the priority for this bug is normal and the difficulty is easy.
* Fix: Call nameWindow() before calling imshow()
* Improvement: Add documentation/comment to explain what this piece of code will do

1. Fixing Bug #3363 (Sorted circles by accumulator values) found on OpenCV DevZone:

* Bug Description: the circles from the output of the HoughCircles function does not sorted according to importance. User request for this feature and developers haven’t tackle this feature yet. Developers mention the priority for this bug is normal and the difficulty is medium.
* Fix: Try the icvHoughCirclesGradient function as suggested by one of the user. If this doesn’t work, try to implement a sort function that take in accumulator values to sort the instance of the circle.
* Improvement: Add documentation/comment to explain what this piece of code will do