UbiScope

Envision Learning
The problem

In a culture that is steadily moving towards mathematics and sciences, young children often find themselves without a caring mentor for the arts.

This lack of direction causes children to lose interest in developing and refining their skills in the arts, stunting their creative growth.
The solution and impact

Right in front of our eyes

Allow young children to take pictures of objects that they want to draw, and create a quick step-by-step tutorial.
The Technology

Google Glass
How it works - 3 steps!!

**Step 1**
Ok Glass, Start UbiScope
User gives voice command to glass and the glass opens the UbiScope application.

**Step 2**
Opens camera and clicks photo
Ubiscope app is designed to inherently use camera and take picture of first person user view, once launched.

**Step 3**
Processes image and separates contour
The image obtained is processed by back-end openCV code. It divides the contours and present it to user to guide him/her in drawing the desired object.
Dream Goal: Charmander!!!

Our Goal: Wall Clock!!!
Milestones

**Oct 15**
- Project Proposal

**Oct 28**
- Add voice command

**Nov 3**
- Midterm Presentation

**Nov 4**
- Add camera activity

**Nov 11**
- Integrate OpenCV. Run CannyEdgeDetection

**Nov 12**
- Madness Demo

**Nov 15**
- Test several contour algorithms

**Nov 25**
- Add Tutorial UI

**Dec 1/3**
- Final Presentation

**Oct 21**
- Bring up Glass

**Dec 6**
- Final Demo