MOTIVATION

- Attract attention of passerby students
 Increase interest in computer science
- 3. Retain and empower beginner programmers

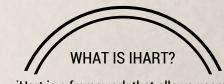


iHart
Interactive Hallways for Attraction and Retention in Technology

The Neigh Choir

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Walk past the camera and enjoy the Neigh Choir!



iHart is a framework that allows users at different technical levels to develop or display scenes and games in public spaces



ABOUT THE NEIGH CHOIR

The Neigh Choir was created for interactive media, a project based course, with Professor Audrey St. John. The Neigh Choir may either be displayed as a wall or floor projection. Individuals interact with the Neigh Choir by walking past (for wall projection) or stepping on (for floor projection) the desired horse. When the motion is detected within the boundaries of the frame, the respective sound for each horse will play and when all four sounds play, you will hear a beautiful choir.

IMPLEMENTATION DETAILS

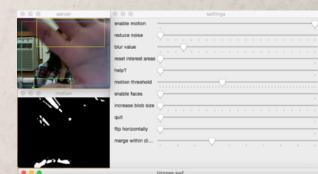
The flash application assigns a range of X and Y coordinates to particular sounds for the respective horses and plays the correct sound in correct time, based on the coordinates of the detected "blobs".

We used good quality recordings from the web.

Flash allows the developer to incorporate sounds easily. This helped us to implement the Neigh Choir in a surprisingly brief time period.

REFERENCE FRAME

Camera takes
reference shot for
Processing General
Server. Blue
rectangle denotes
area of interest.





MOUNT OLYOKE

BLOB DETECTION

Looks for difference between reference frame and current in area of interest
 2.uses OpenCV to detect blobs