

Medialogy Aalborg Niels Jernes Vej 14 - 9220 Aalborg Øst http://www.medialogi-aalborg.dk

Title: Magic Canvas

Theme: Visual Computing

Project period: September-December 2012

Project group: MTA 12338	Abstract:	
Participants:	The theme for this project is Visuwith a focus on image processing has been in collaboration with H	ng. The group
Gustav Dahl	to develop an installation n Canvas. Hjørring Library aims itself by providing a wide range	amed Magic to distinguish
Johannes Møjen	experiences, using various theme period for this project the theme The goals are to make an installation that can be enjoyed be	es. In the time is Christmas. entertaining y people of all
Maximilian Müller	ages, and it should be some typ that is easy for the library staff to Magic Canvas utilizes an infrare capture video of people casuall displaying them on a big of	maintain. The ed webcam to y passing by,
Marco Winther	Christmas-related character. T camera get a clear contrast, infra are put near the canvas. The soft in C++, using the OpenCV libra	o make the red LED strips ware is written
Marta Botella	the Unity game engine to displa the canvas. To detect people wit various image processing tecl been used, such as thresholding	y graphics on h the camera, nniques have g, background
Simon Jakobsen	subtraction, region of interest analysis. The program is workin physical devices, and it does not external maintenance. The gromake the program ready for the	g without any ot require any oup aimed to
Supervisors:	December. This was achieved program has been running in High throughout December 2012.	ed, and the
Thomas B. Moeslund	agau = 330au = 3	

Andreas Møgelmose

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