

Final Display Report

Computer and Information Sciences

03/13/2014

CIS Displays for Open House

Limited Class

Bitcoin ATM: The necessary infrastructure for an ATM that uses paper wallets (QR codes) to perform transactions from USD to Crypto Currency.

Mass Projection: A series of magnetic coils used to project a cylindrical metal object. It is a six-stage device using 8 capacitors (350V 2200uF). The timing between stages is controlled with a series of photo-gates connected to an Arduino. The Mass Project Device will not be used during open house, rather a monitor will show video of it projecting into fruits of various size.

CIS IRL: A slideshow going through most of the CIS courses and relating them to real world through short videos.

Spacecraft: Spacecraft is a game currently being developed in the Game Development Club by Matthew French, Dane Miller, and Austin Goering. This game entails the player to create his own spaceship out of blocks, choosing a system with each block. Once created, the spaceship can be flown around by the player to experience the world of space and encounter other players or npc's.

Castle Crossing: Castle Crossing is a casual game that focuses on exploration and personalization and targets players of all ages. In Castle Crossing the player will play multiple minigames to earn gold and customize their avatar and house. The game was originally developed as an Independent Study project by Devin Kelly-Collins. Currently it is being developed in the Game Development Club by Devin Kelly-Collins, Ryan Woodburn, and Chris Piggot.

Open Class

Object Avoidance Robot: A robot that is able to move around objects using various on board sensors.

Sudoku: A program that is able to read in a Sudoku puzzle and produce a solution to the given puzzle.

Kinect Object Detection: A program that is able to detect various objects using the Kinect attachment for an Xbox.

Face Recognition: A program that is able to detect and compare facial features of people.

Freshman/Sophomore Class

Casey Lafferty's Personal Projects: Casey has personal projects that have been done both for my CIS classes and outside of class. He will present these projects to visitors to show what students can do in the first few semesters of their CIS course work. These projects include video games, making a website, web browser, and more.