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CARNEGIE MELLON
2014
Laptop stand made from acrylic to hold an 11” macbook air. Made from scratch in SolidWorks, exported to Illustrator, then laser cut from 1/4” acrylic sheet. The pieces fit together without glue so that the stand can be packed flat when needed.
Topographic map of Cazenovia lake in NY. Paper board and plexiglass were cut using a laser cutter, then glued together to make a model of the lake. Each layer is 1/8th inch, but represents ten feet of depth.
New company logo for Weston Nano, a startup nanoparticle company. The logo was made over the course of many design iterations, culminating with this version.
Wallpapers
Summer 2014

A series of four abstract wallpapers that were created in Blender, then modified in Photoshop.
A prototype advertising kiosk that displays photos and videos. It can be updated instantly from anywhere using online software capable of handling multiple devices at once.

The Smart Stand consists of a touch enabled TV monitor, a very small android computer functioning as the internet connection and graphics processor. It can be mounted to any standard TV or monitor mount, and by design is scalable to work with any sized display.

The prototype smart stand was later modified to include both print advertisements and other types of displays.
Photo-realistic renders made in Solidworks featuring Padloc’s Diplomat iPad docks. Each brand-ed dock was used in project proposals for the corresponding company.
A sensor-driven musical instrument that uses six infrared range sensors instead of keys or strings. I designed the layout and configuration of the instrument, the actual production of the box, as well as the program that ran it. The notes change according to the movement of a hand above the sensors.

The music box itself is made out of wood with the sensors mounted between two Plexiglas layers. The wires, lights, and circuit board sit underneath the sensors.
Renders made in Solidworks for Treeborn, an entrepreneurial project using recycled wood and fabric to make high quality laptop cases.
My high school, Beaver Country Day, held a schoolwide contest for an email logo. My submission was chosen to be displayed on all of the school's Google applications. The design was first put up in 2010, and is still in use today.
ARTWORK
2011-2013

‘Negative’ - Acrylic on Canvas
‘Forestry’ - Carved foam
Light I - Film, hand printed
Shape V' - Render, made in Blender