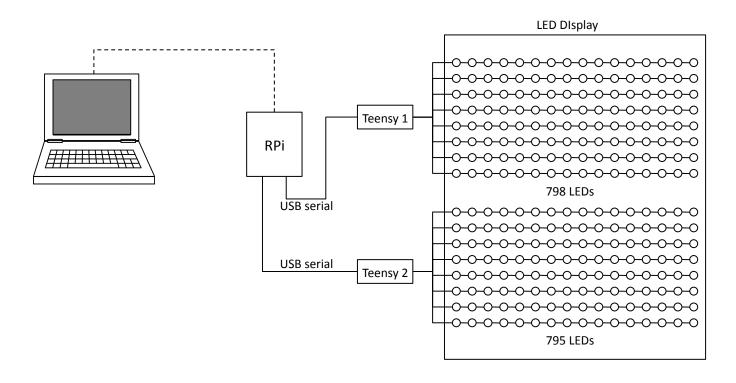
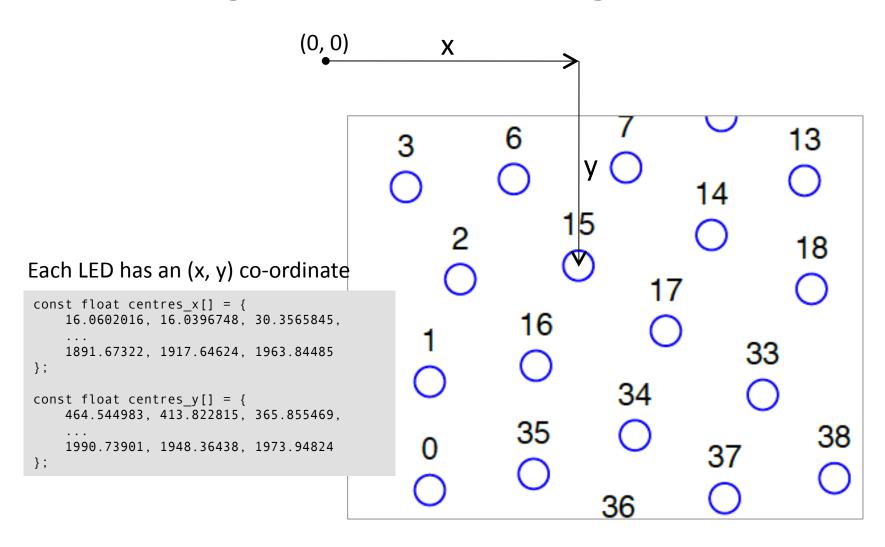


#### Hardware



- Raspberry Pi 2 Model B, 900MHz quad-core ARM Cortex-A7, 1GB RAM, with Raspian OS, and Python 2.7 installed
- Two Teensy 3.1 Microcontrollers, 72 MHz 32 bit ARM processor, 65kB RAM, 262kB Flash memory, running Arduino C with Teensyduino and OctoWS2811 LED Library

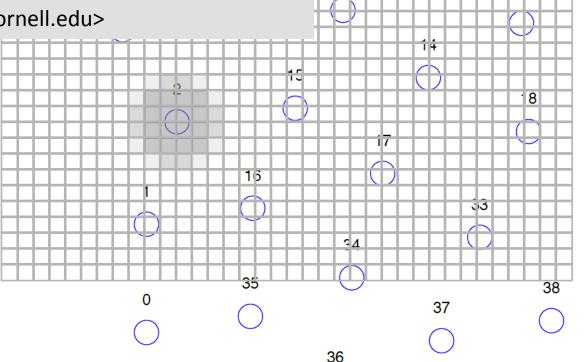
### Irregular LED Arrangement



### Supersampling

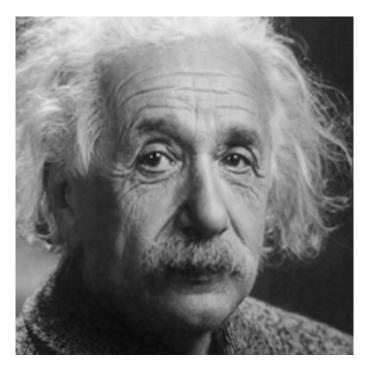
For antialiasing the easiest solution is supersampling: rasterize on a higher resolution grid and then downsample to your irregular grid. The higher resolution grid could be an irregular one or a regular one. Again considering the low resolution, simply rasterizing a standard rectangular image, then blurring it and selecting a fixed set of pixels at your pixel positions, could be an easy way to live off the existing graphics pipeline.

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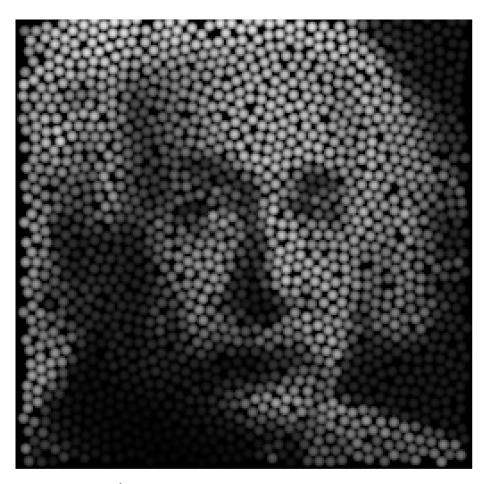


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# Image Mapping



256 x 256 pixels



1593 pixels

## **Graphics Pipeline**

