

## Good Vibes Machine – still in the making

Sometimes in our FabLab we have some bad moods – mostly because some projects failed. These bad moods were the start of the Good Vibes Machine. An Arduino connected to a big red button and a thermal printer. Each time somebody has a bad mood, he or she presses the button and the Good Vibes Machine prints out some “fortune cookie” like messages. The project is still in the making and misses some fancy enclosure (Figure 1).



*Fig. 1: Naked components of the Good Vibes Machine*

### What you need:

Machine: Lasercutter or 3D printer and some soldering iron  
 Software: Fusion360 or similar CAD software  
 Arduino IDE

A big red arcade button (Amazon or Banggood China store)  
 Adafruit Thermal printer: Adafruit PRODUCT ID: 597  
 Arduino Uno  
 Power supply  
 Thermal paper and wires

==> Total cost: around 100€

## Coding tips and tricks

The Adafruit Website offers a great tutorial on how to program the Thermal printer. The tutorials were easy to understand, and the connection could be established successfully.

Additionally to the Arduino Uno, we bought an SD-Card reader for the Uno in order to be able to store more text.

Currently we are working on the coding and enclosure but feel free to contact us for design brainstorming =)