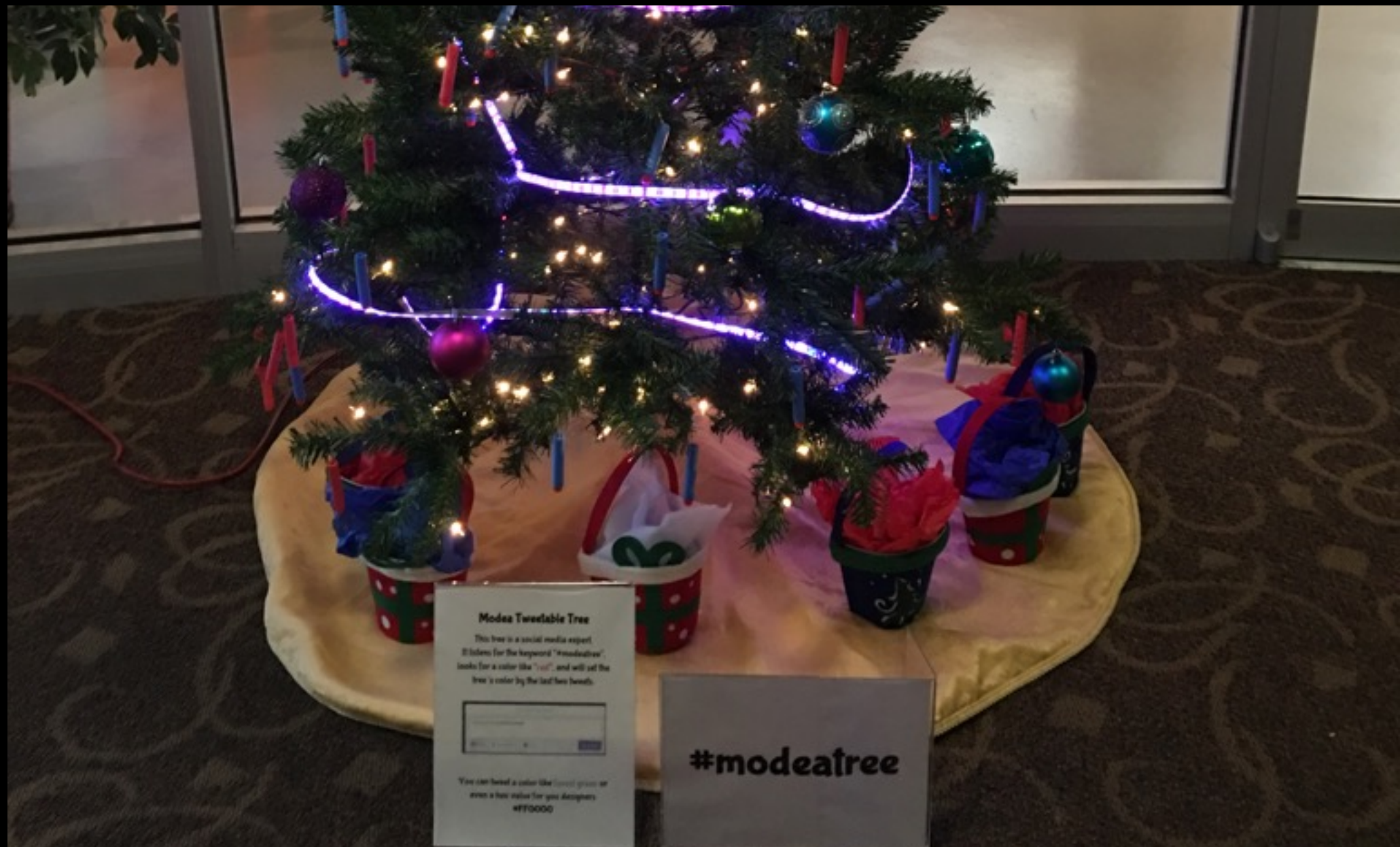


Any sufficiently advanced  
technology is  
indistinguishable from magic

Arthur C. Clarke



# #modeatree

How its made

# Three Parts

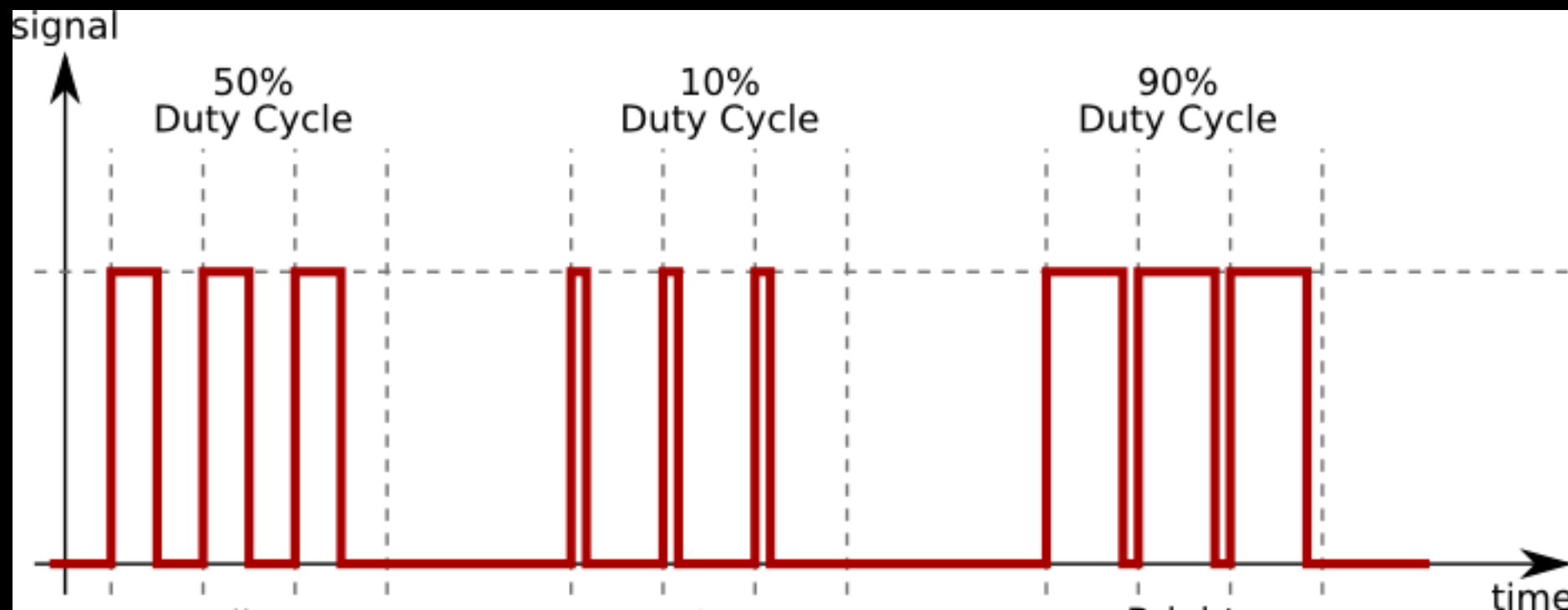
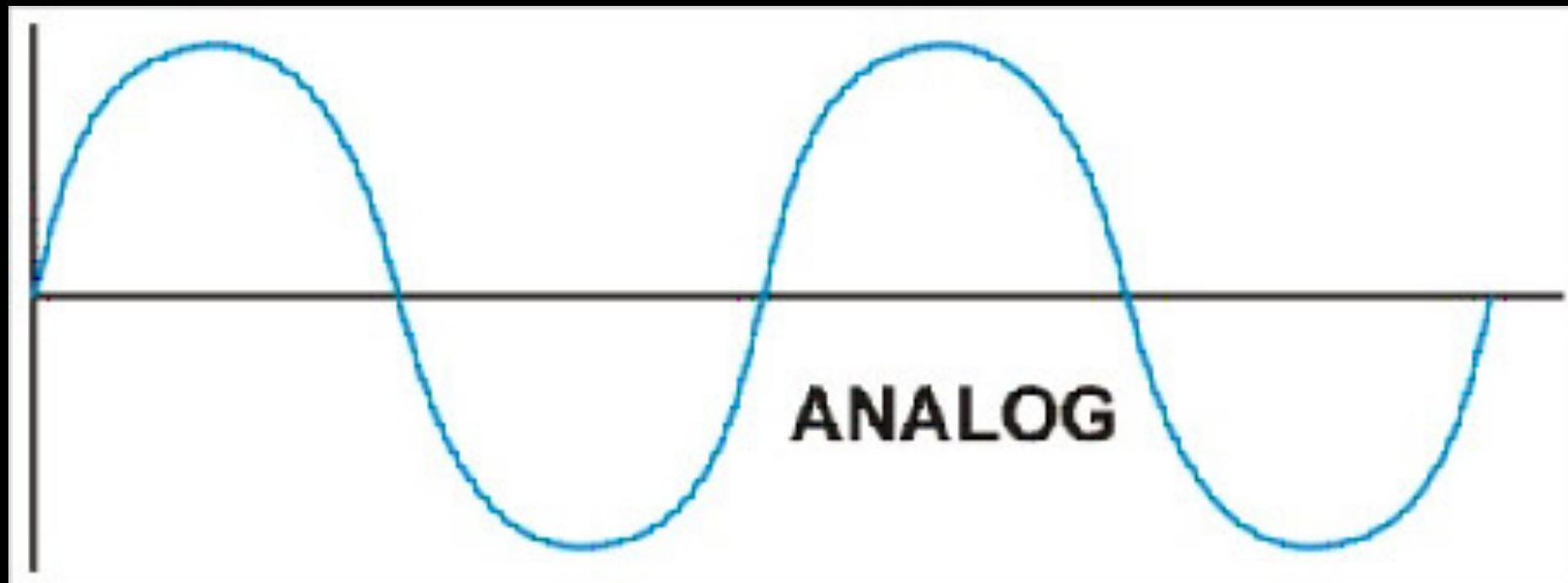


- Hardware
- Firmware
- Cloud Software



# Hardware

PWM: Pulse Width Modulation

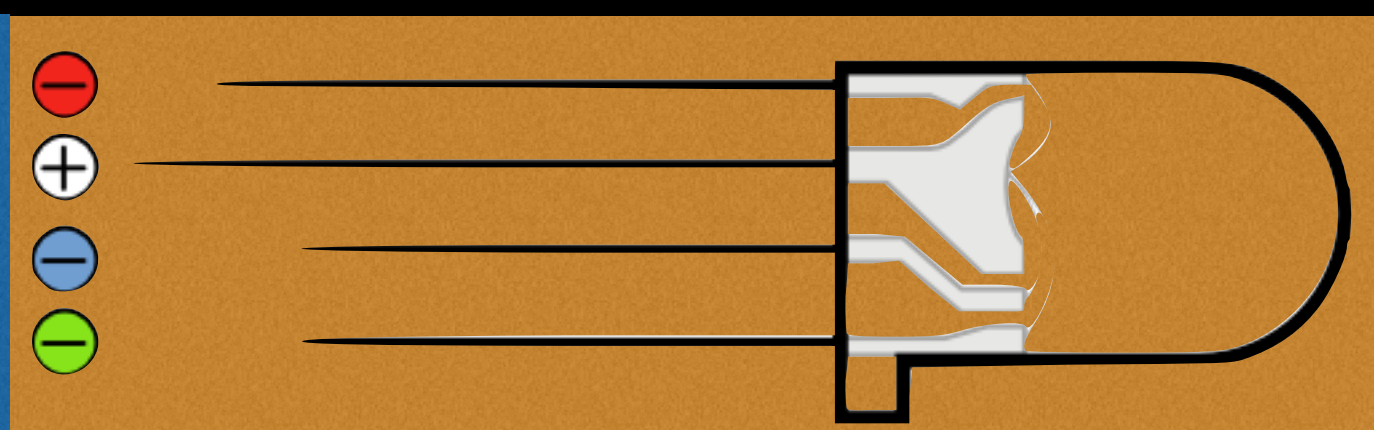
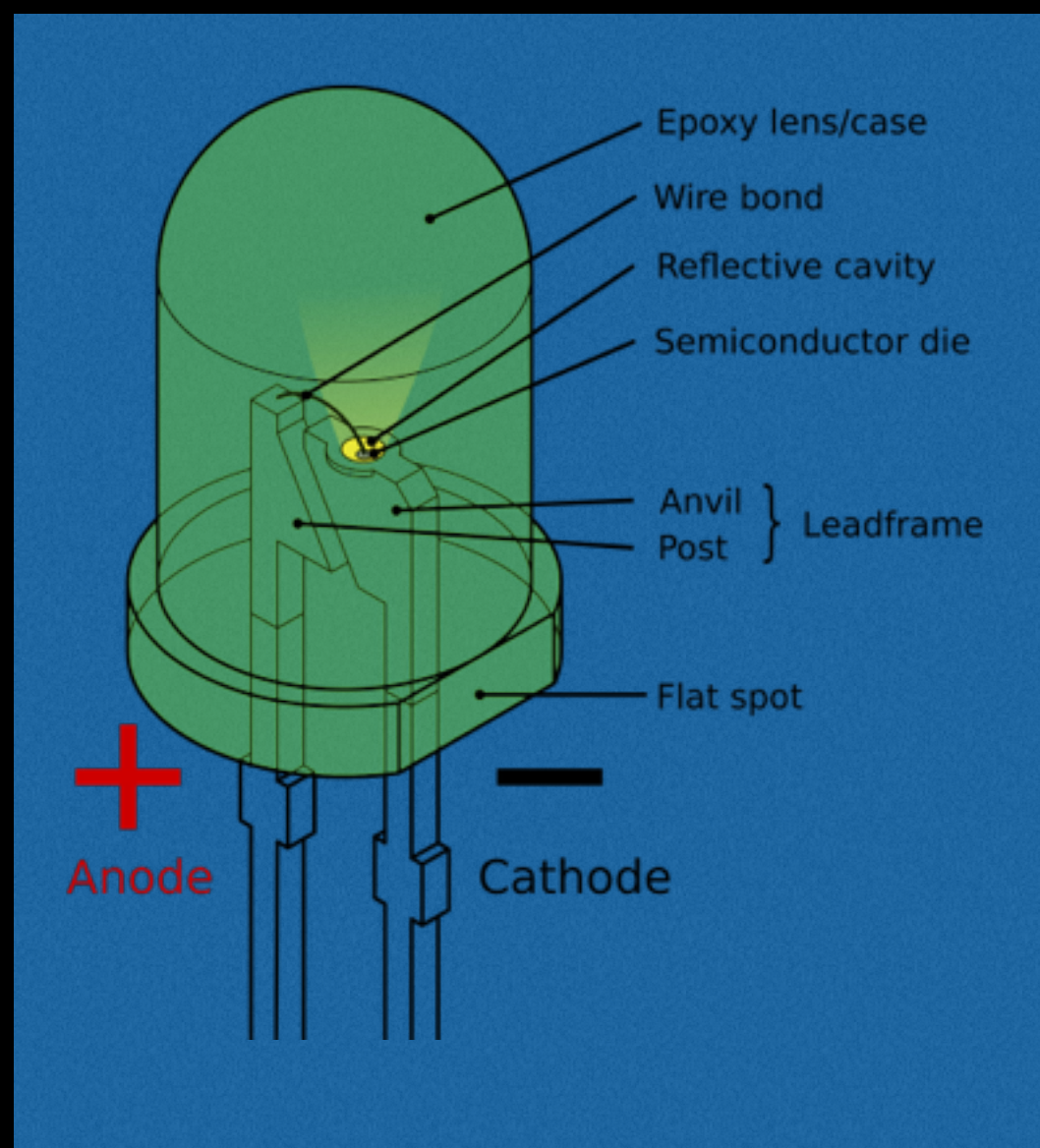






# Hardware

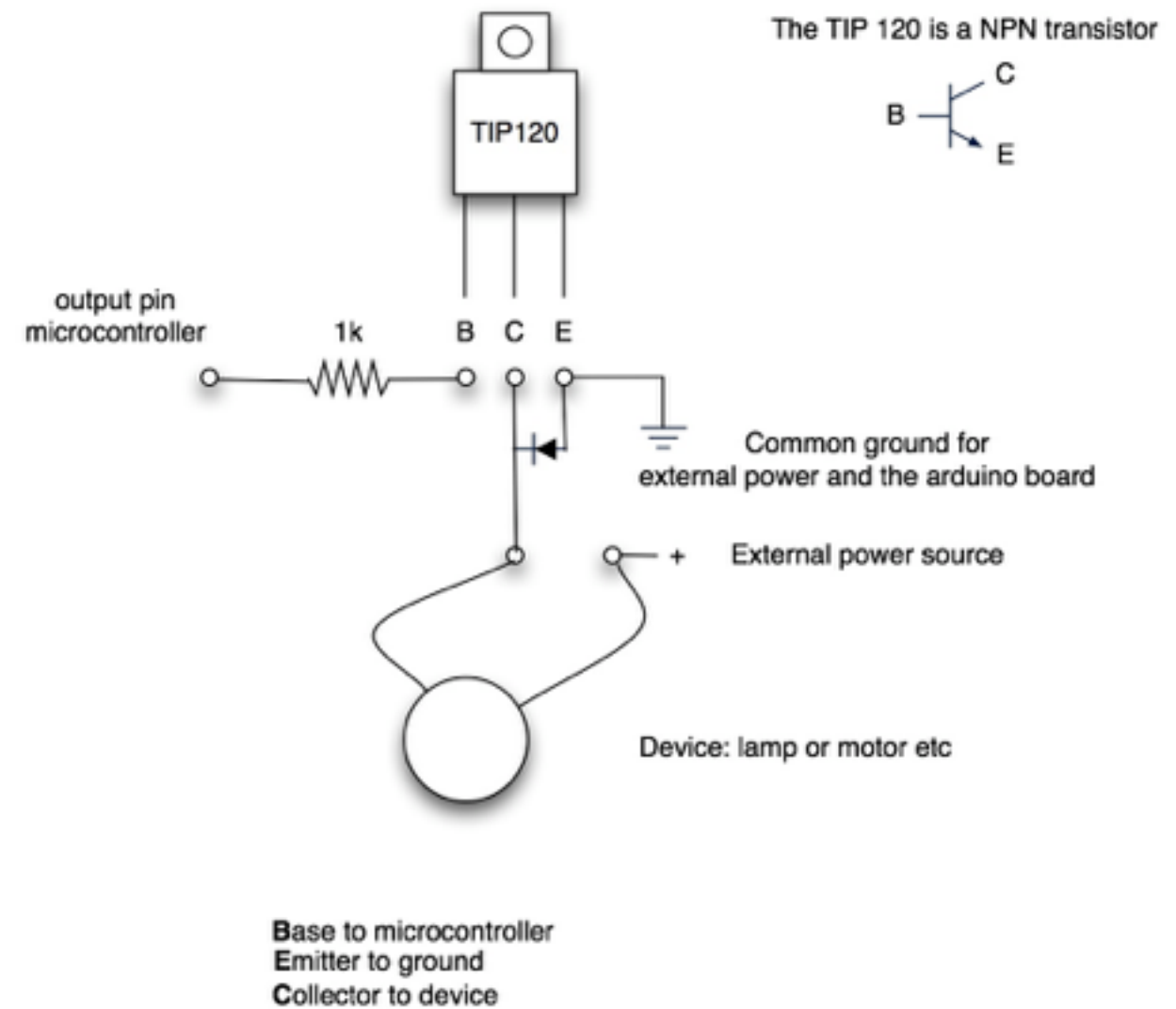
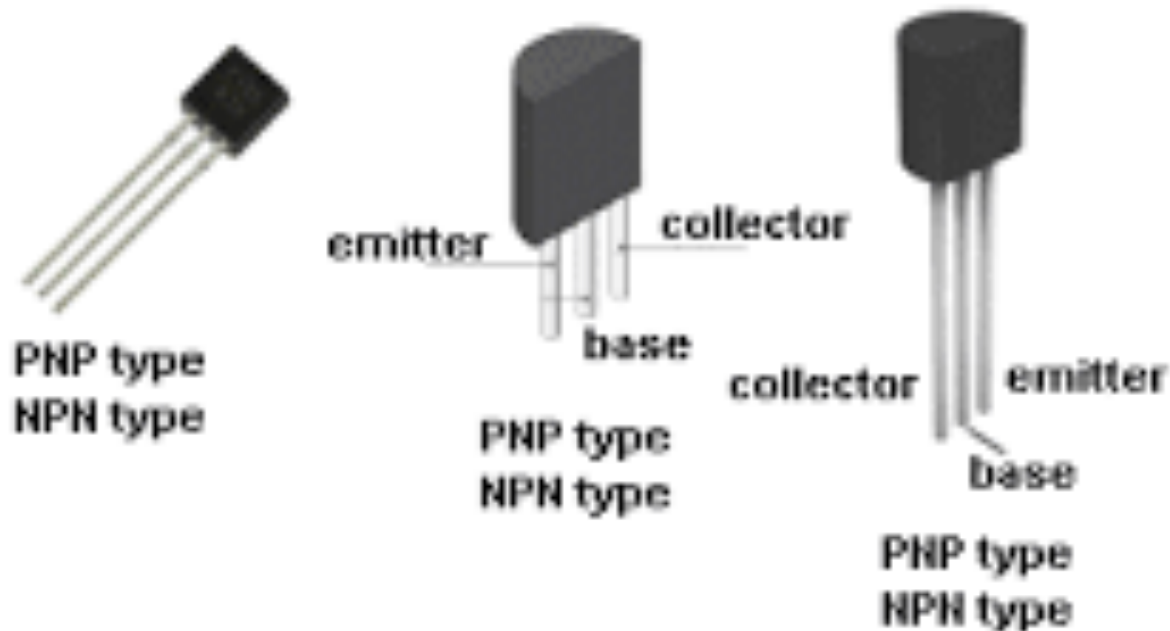
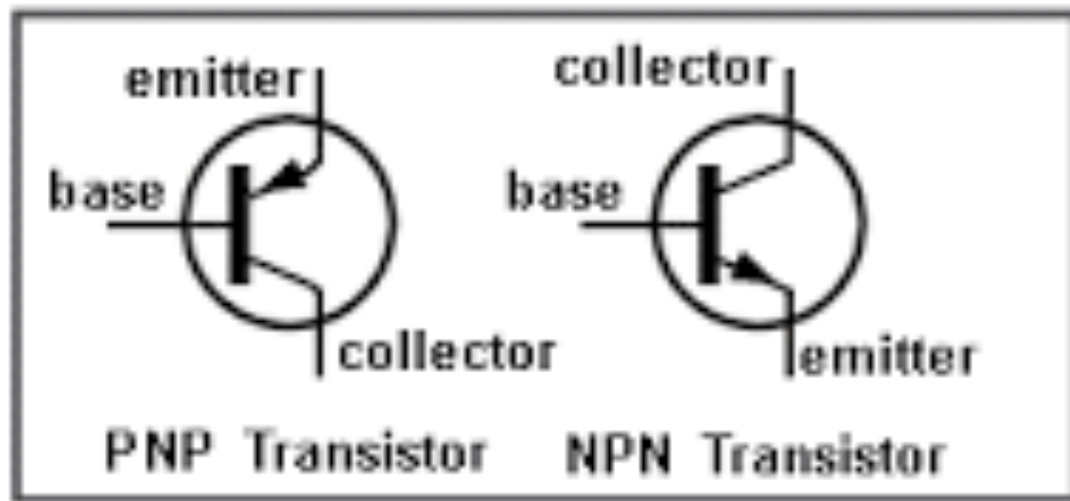
LED: Light Emitting Diode





# Hardware

## Transistor: Really Awesome Relay

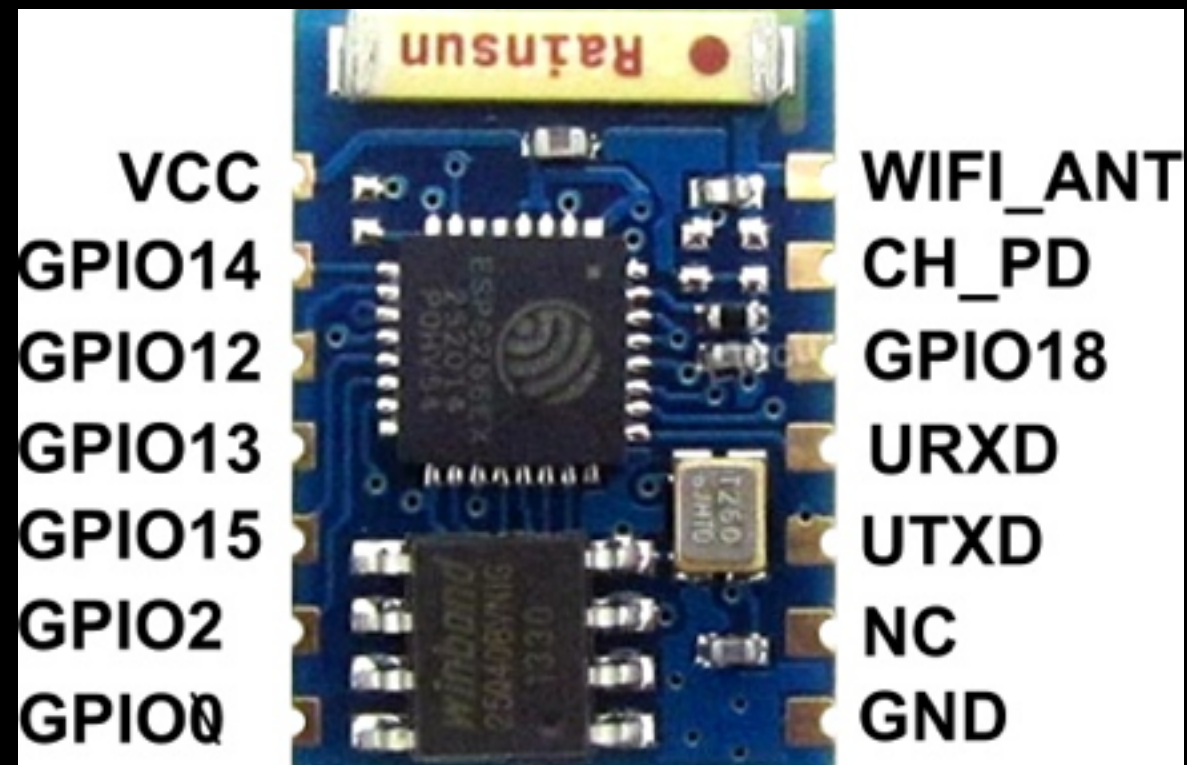


Diode from E to C when connected to inductive load like a DC motor



# Hardware

ESP8266: Awesome Wifi Goodness

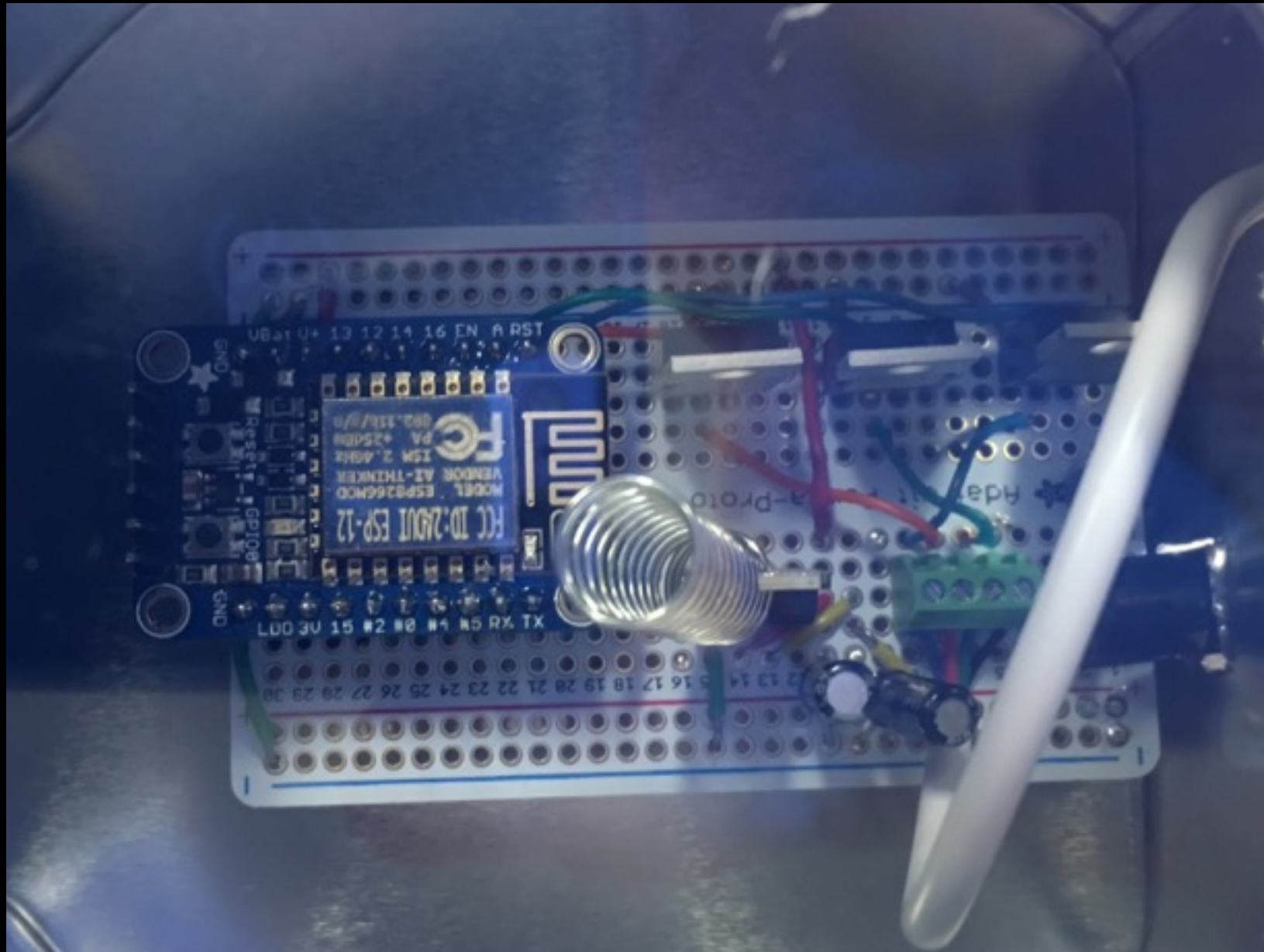






# Hardware

ESP8266: Awesome Wifi Goodness

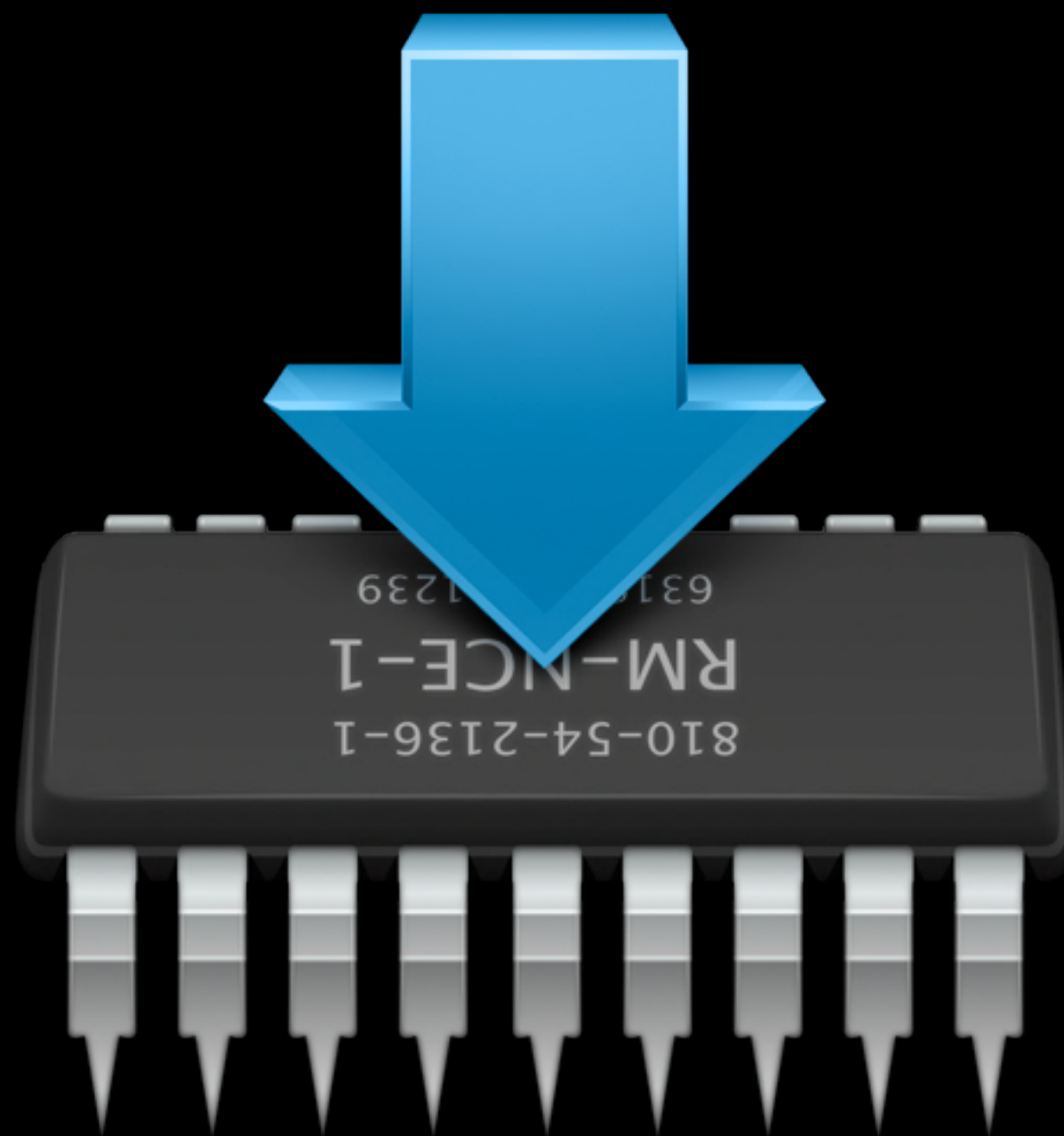






# Firmware

## Overview





# Cloud

## Overview

