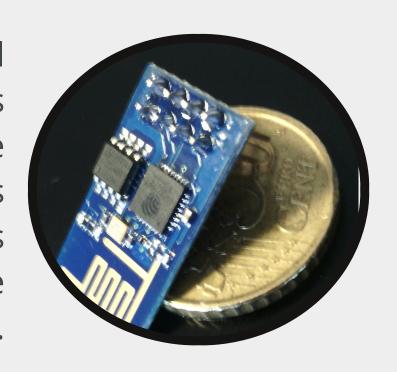
# PYTHON ON ESP8266

EFFICIENT WAY TO PROGRAM THE ESP8266 CARD WITH PYTHON LANGUAGE

#### SMALL CARD BUT GREAT POTENTIAL

The ESP8266 is a small card that cost less than 3 euros. It can be a simple wifi access point. It's price and it's size are perfect for the Internet of Things.

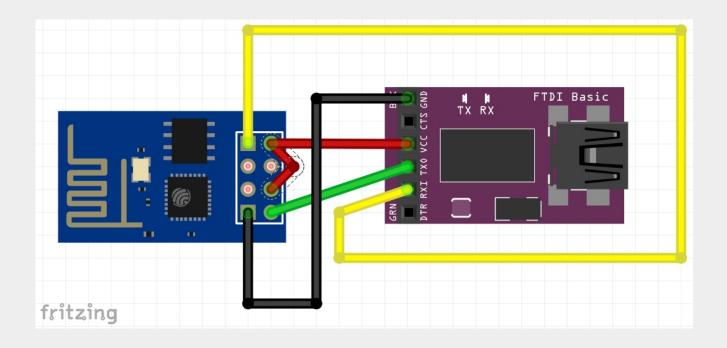


#### **OVERVIEW**

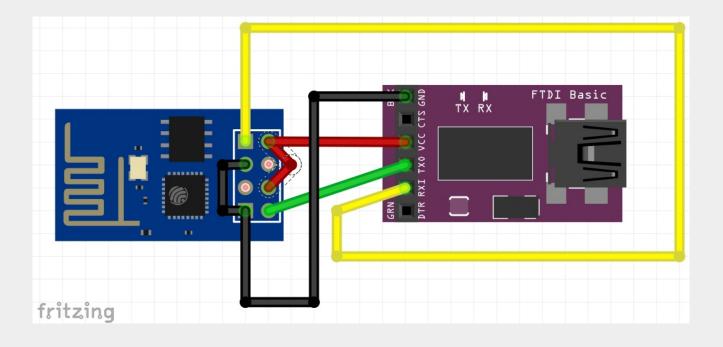
Python on the ESP8266 Project compiles python code to C++ via shedskin, and compile it in assembly code via Xtensa toolchain.

The compilation process allows better performance than a standard interpreter.

## RUN MODE WIRERING



### FLASH MODE WIRERING



#### (source language : C or C++) Using the xtensa toolchain to compile C programs for the C with Xtensa toolchain The problem is that C programming is too low level. ESP8266. It seems working pretty well and Port of Lua on the ESP8266. (source language Lua) we need to test it. NodeMCU Ways to program the ESP8266 that ESP8266 has a few memory space, lot of memory space. The problem is (Source language: Pure python3.4) Micropython works fine but it use a so the wifi implementation may be Micropython Framework (source language python2.7) Compiling a subset of Python We need to use a garbage to C++ and using Xtensa Python to C++ with Shedskin for this one. toolchain. collector