

Is Your Refrigerator Running... Python?

MicroPython – A not-so-big python implementation

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MicroPython

"MicroPython is a lean and fast implementation of the Python programming language that is optimized to run on a microcontroller." - MicroPython.org



Timeline

Funded on Kickstarter - Fall 2013

WiPy - Summer 2015

BBC Micro:Bit - Fall 2015

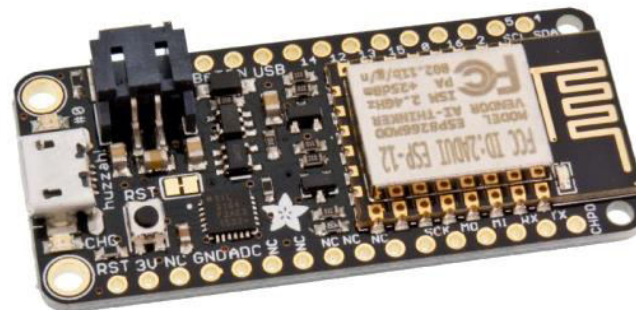
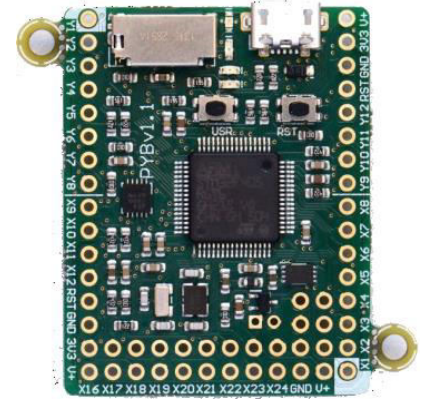
ESP8266 - Spring 2016

LoPy - Spring 2016

Present:

6100 commits

116 contributors



Why?

Small microcontrollers are cheap

No operating system
consuming resources

All the advantages of Python



Maverick?

Damien George + Community

Strong community at [MicroPython.org](https://micropython.org)

Rewrote python from scratch



Packages

uRequests

uCollections

uRe (Regex)

uSocket

uSSL

uStruct

uZlib

uPip

Machine

GPIO

SPI

UART

ADC

RTC

IC2

OneWire

APA102

neopixel

DS18S20

BS18B20

Resources

[MicroPython.org](#)

[Damien P George Bio](#)

[MicroPython Wiki](#)

[MicroPython ESP8266 Documentation](#)

[micro:bit Press Release](#)

[The Story of MicroPython on the BBC
micro:bit](#)

[MicroPython Libraries](#)

[MicroPython Github](#)

[MicroPython Kickstarter](#)

[MicroPython on ESP8266 Kickstarter](#)

[LoRa Kickstarter](#)

[Pycom WiPy](#)

[Talk Python to Me #17](#)

[Podcast. init #15](#)

[Shrinking Python PyConUK 2014](#)

[MicroPython on YouTube](#)

