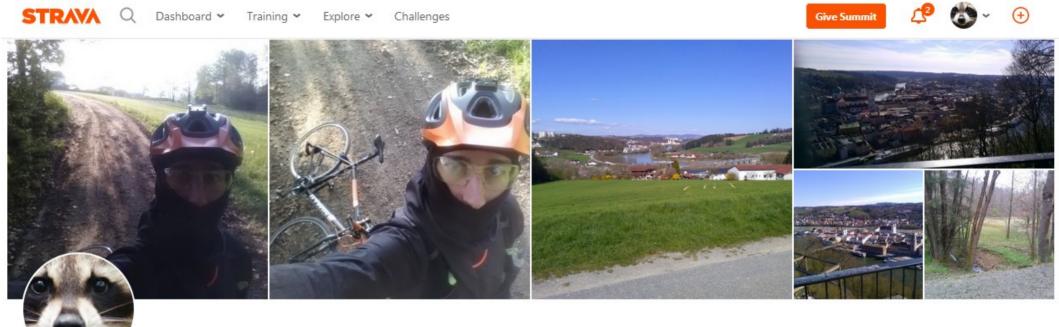
Advanced Topics WEBSCIENCES



"If you're crazy about Strava" - Dr. Koumpis, 14.05.2019



Ma Pache

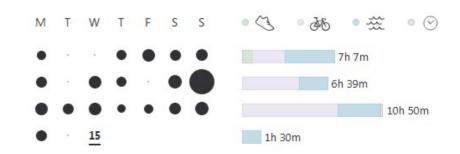
Summit Member

Profile

Last 4 Weeks

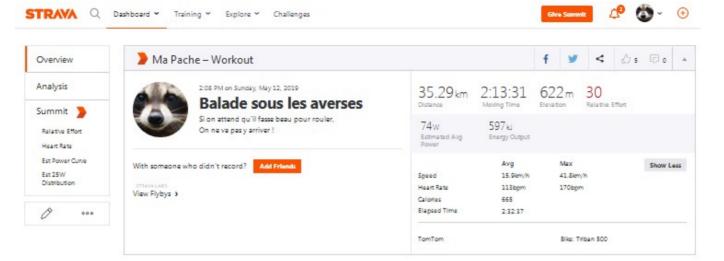
23

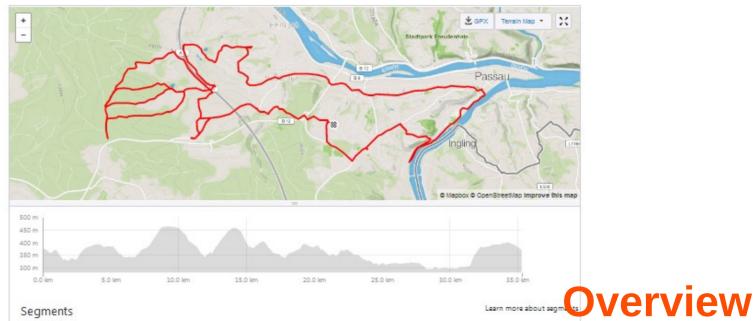
Total Activities



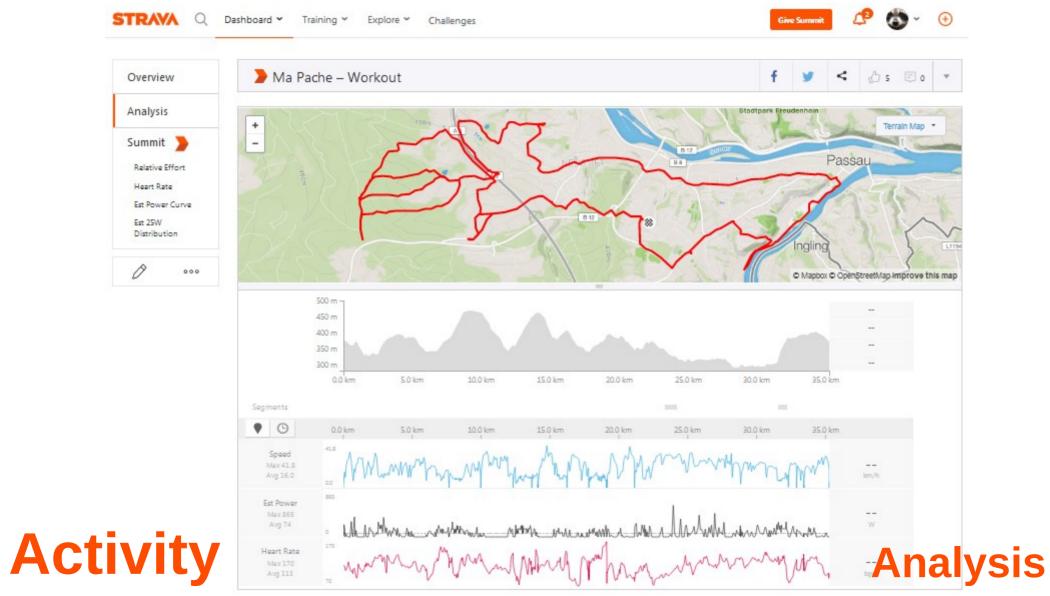
Parque Tingui

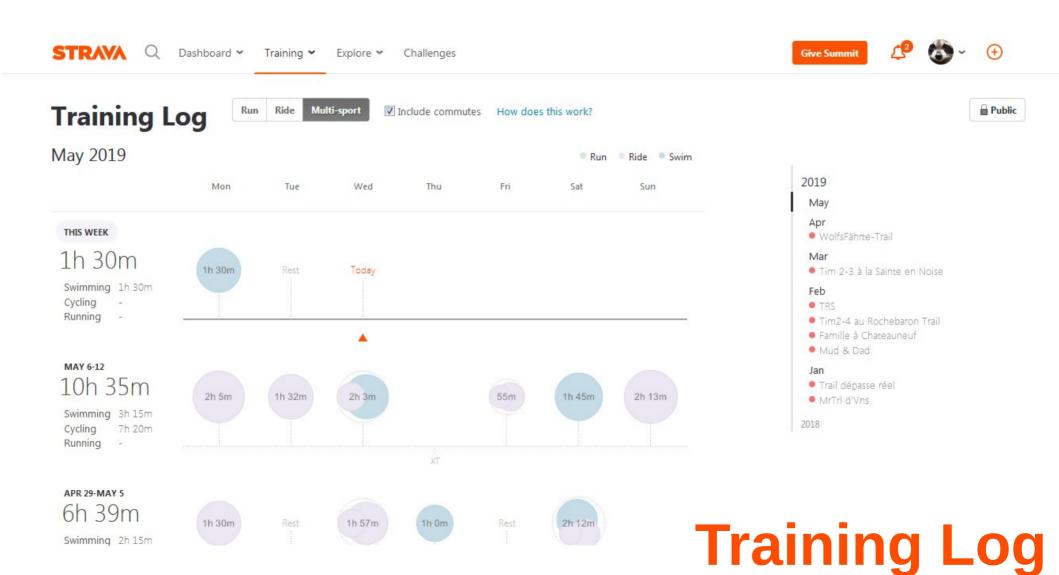
ashBoard





Activity





Last 6 Months V



Fitness & Freshness

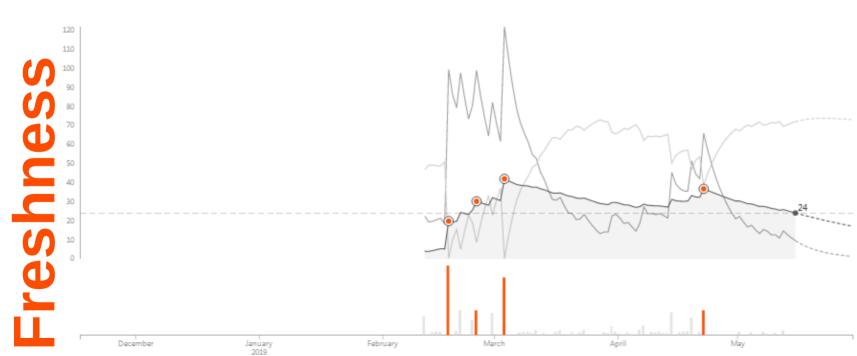
Fitness and Freshness considers your heart rate based Relative Effort and power based Training Load to track your levels of fitness, fatigue and form over time. Learn More

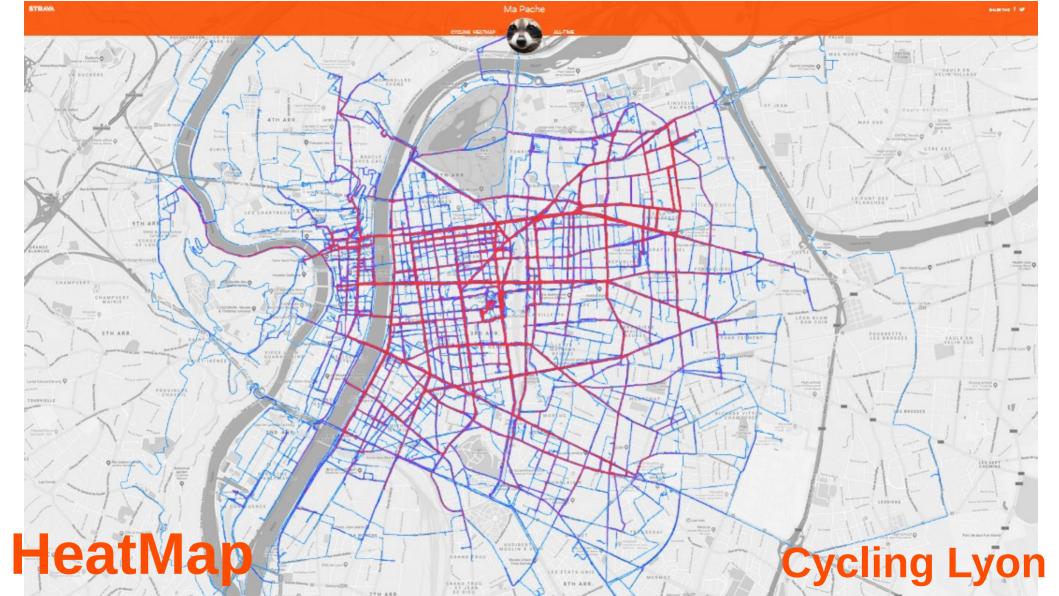
We've improved our heart rate calculations, so you might notice some changes to your Fitness & Freshness values. Learn more.

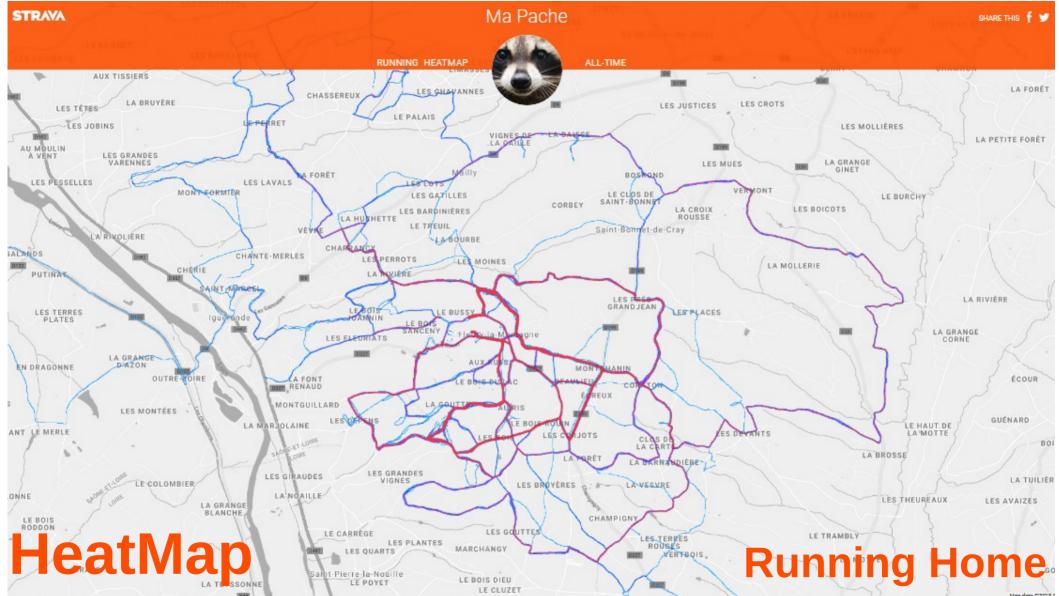
Current

tness





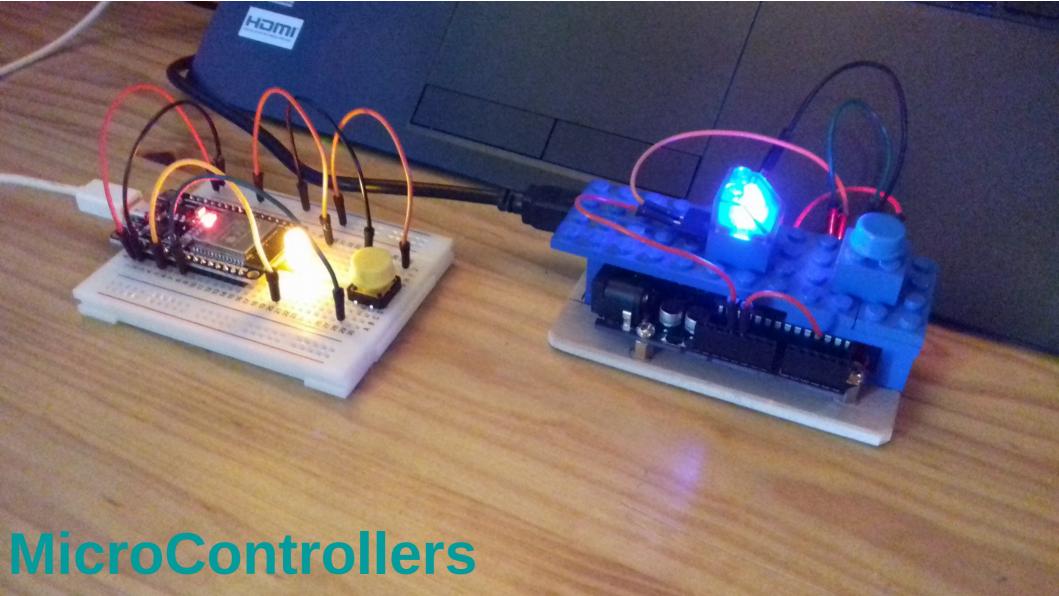




SIEMENS



"Interoperability with Scripting on MicroControllers"

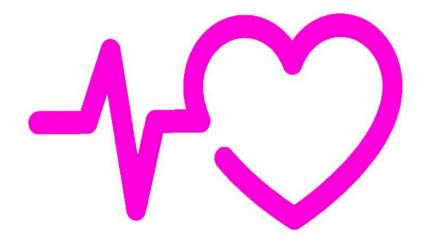


```
INFO PRINT(START, ("Script from Serial"));
  int maxScriptLength = 200;
  int scriptLength = maxScriptLength;
  char * maxScript = (char *)(malloc (maxScriptLength * sizeof(char)));
  //* Waiting for Script from Serial : LED On
  gpio write(ledGpio, 0);
  // Waiting for Script from Serial : LED On */
  scriptLength = getSerialScript(maxScript, maxScriptLength);
  //* Waiting for Screen : LED Off
  qpio write(ledGpio, 1);
  vTaskDelay(50);
  ·//* Waiting for Screen : LED Off */
  char * script = (char *)(malloc (scriptLength * sizeof(char)));
  INFO PRINT(END, ("Script from Serial"));
  HEAP PRINT(("Free Heap : %d", xPortGetFreeHeapSize()));
  STACK PRINT(("Min Free Stack : %d", (int)uxTaskGetStackHighWaterMark(NULL)));
argsNb = duk get top(ctx);
INFO PRINT(LINE, ("Arguments Number : %d", argsNb));
HEAP PRINT(("Free Heap : %d", xPortGetFreeHeapSize()));
STACK PRINT(("Min Free Stack : %d", (int)uxTaskGetStackHighWaterMark(NULL)));
if (xPortGetFreeHeapSize() < minFreeHeap)</pre>
    minFreeHeap = xPortGetFreeHeapSize();
int iArg = 0;
for (iArg = 0; iArg < argsNb; iArg = iArg + 1)
    INFO PRINT(LINE, ("Getting Number Argument %d/%d", iArg, argsNb));
    arg = duk to number(ctx, iArg);
    INFO PRINT(LINE ("Number Argument · %f" arg))
```

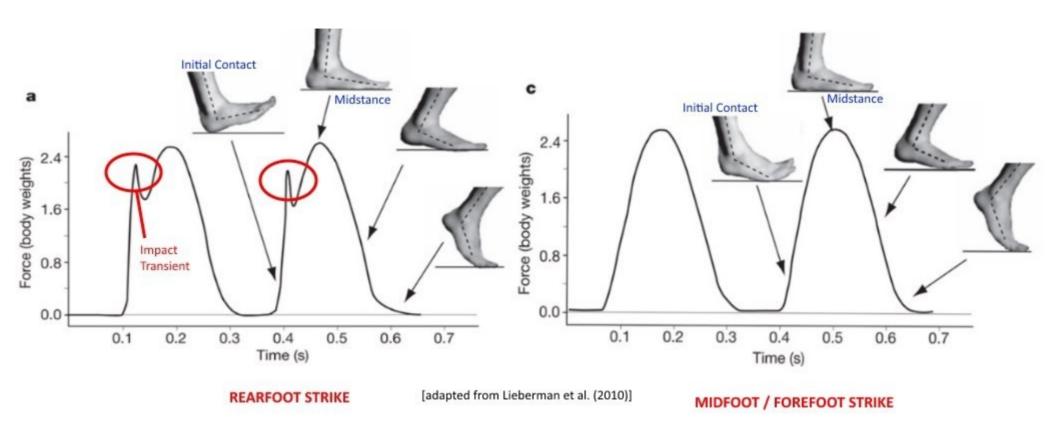
```
Memory Configuration
Name
                Origin-
                                  Length
                                                     Attributes
dport0 0 seq
                0x00000003ff00000 0x0000000000000010
dram0 0 seg
                0x00000003ffe8000 0x000000000014000
iram1 0 seg
                0x0000000040100000 0x0000000000008000
irom0 0 sea
                0x00000000040202010 0x000000000000fdff0
*default*
                Linker script and memory map
.text
             0x0000000040100000
                                  0x6eca
             0x0000000040100000
                                            stext = .
             0x0000000040100000
                                            text start = ABSOLUTE (.)
             0x0000000040100000
                                           . = ALIGN (0x10)
*(.vecbase.text)
```

Low Level

HEALTH



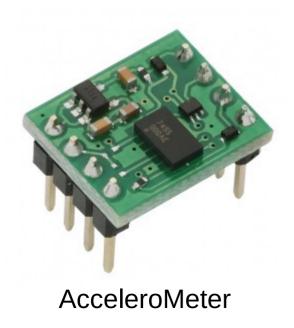
"It would be great
if you could do something
related to health"
- Dr. Koumpis, 14.05.2019



ForeFoot Strike

Improving Health By enriching Strava Activities With MicroControllers Data

Improving Health By enriching Strava Activities With MicroControllers Data





Force Pressure Sensor

Improving Health By enriching Strava Activities With MicroControllers Data

Your Opinion ?