

About us

Luca Nardelli

I'm a Software Architect . Net/Node.js,
I have 20 years of experience in the field,
but still love to experiment (= hack):
Xamarin, Flutter, Tizen, ML, iot (Arduino),
Raspberry, Azure iot, STEM projects, etc

I have an ever present passion for
technology and I strongly believe in
its social utility.

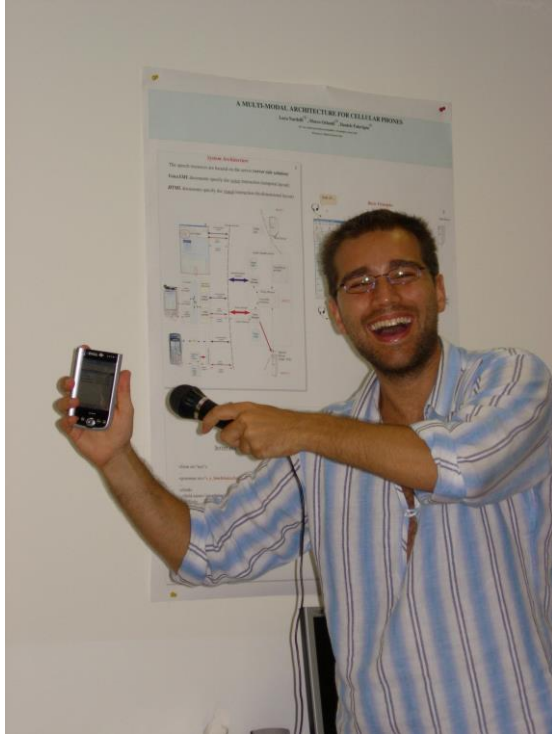


Federico Richard Villa

*Former paralympic athlete, innovator,
Founder of the non-profit organization
www.piccolidiavoli3ruote.com*

Haking..

requires time and passion, social networking and constancy..



In the late 2002 I developed a multi-modal system based on the Voice XML

Conference and networking!



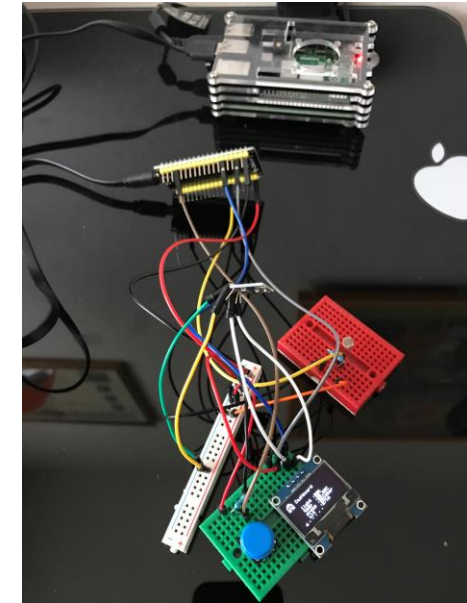
Experimenting the ML with python



«*epur si muove*» .. Experimenting with STEM



First prototypes..



proof of Humility: I'm not able to solder!



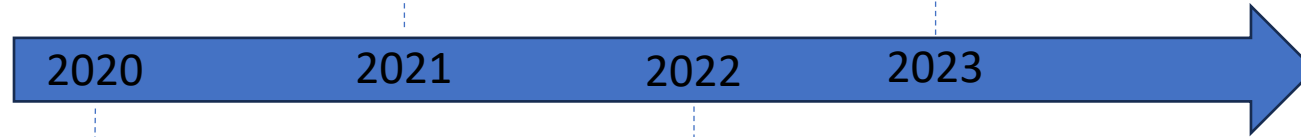
Home4MeAi

IoT and AI together for the disability and seniority.

Home4MeAi aims to help disabled people and seniors at home, by creating an innovative ecosystem where IoT devices can cooperate together by using AI services.

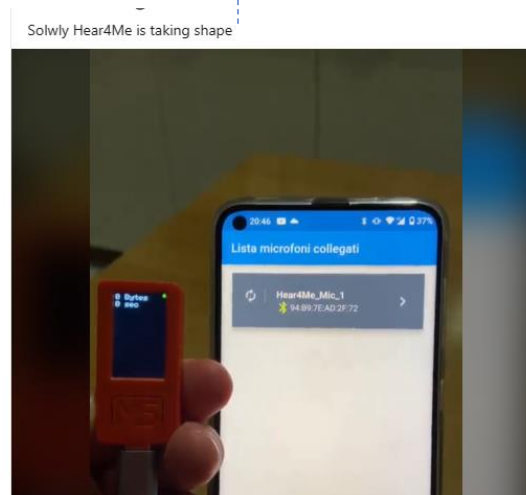
Born the idea of **Hear4Me**

We established the startup **Home4MeAi S.r.l.**



Accessibility Days 2020

SENSIBILIZZAZIONE SULL'ACCESSIBILITÀ E SULLE DISABILITÀ



Home4MeAi

Architecture



Conker SW9 – Android 9

Flutter

Arduino (ESP32)



Home4MeAi

IoT examples

Fish-eye Camera

- Y7 — 36
- Y6 — 37
- Y5 — 38
- Y4 — 39
- Y3 — 35
- Y2 — 14
- Y1 — 13
- Y0 — 34
- VSNC — 5
- HREF — 27
- PCLK — 25
- XCLK — 4
- SIOD — 18
- SIOC — 23
- RST — NC



LILYGO-Camera

SSD1306

- SDA — 21
- SCL — 22

MIC

- SCK — 26
- WS — 32
- SDO — 33

Button

- Left — RST
- Right — 15



M5 StickC Plus

3D ANTENNA
LED
IR Transmitter
G25/G36
Ext.8-Pin @2.54mm
MAGNET
BUZZER
Power Switch 6s=OFF
USB-C CHG/PROG
HY2.0-4P

135x240 ColorLCD @1.14"
M5STACK
MICROPHONE BUTTON A
ESP32
ESP32-PICO
AXP192-PMIC
MPU6886
RTC BM8563
SPM1423-PDM MIC
ST7789V2-1.14"
G25 Output ExtPin
BUZZER Inside
120mAh Battery

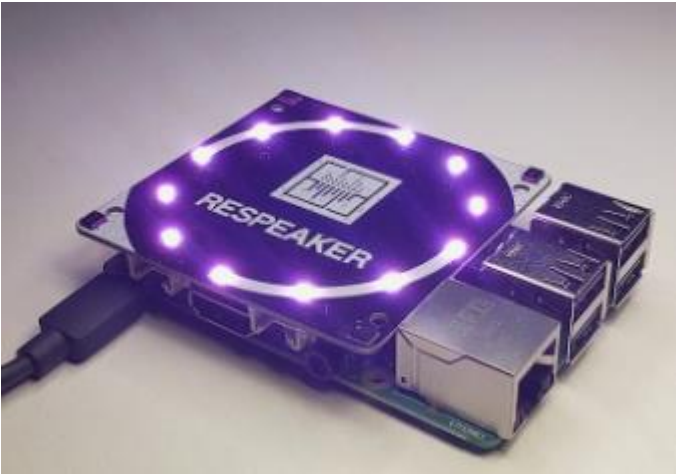
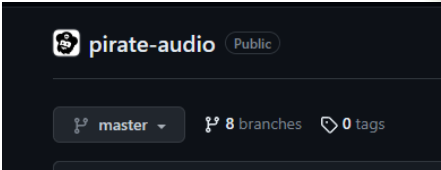
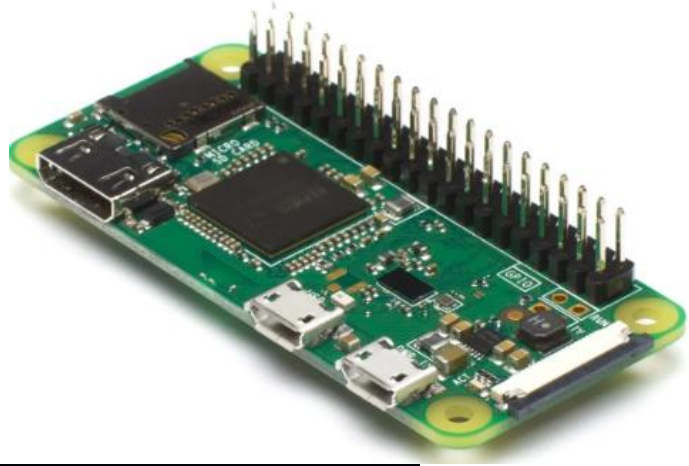
UPGRADE

UIFlow
Arduino
MicroPython
FINGER
COMPUTER
48x24x14mm

BUTTON B



Device examples



IoT examples



STACK & PLAY

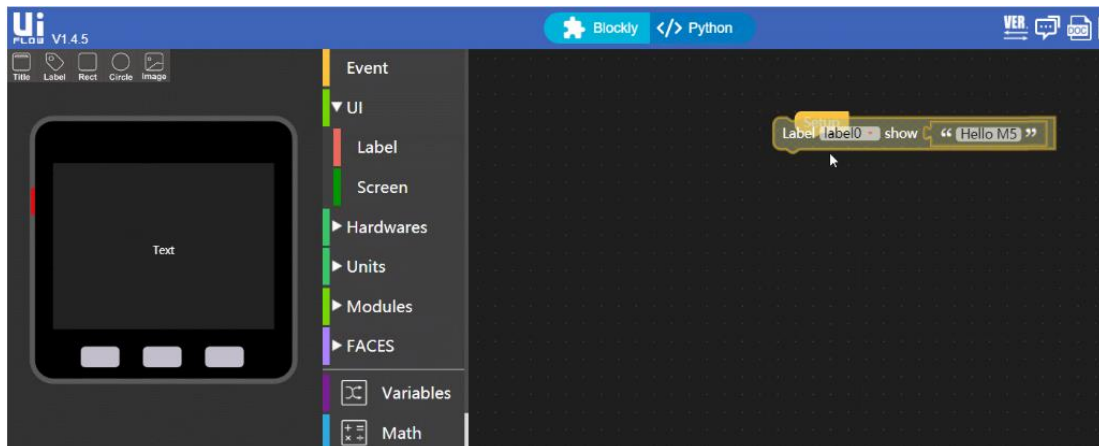
Standard 5x5cm functionally stacking modularized components hardware system.

The Stacking Functional
MODULES Built for Customized
Assembly.

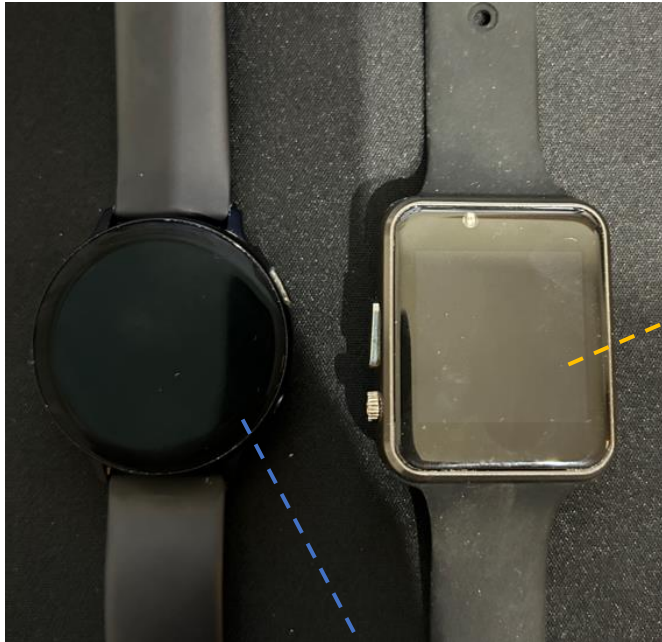


ESP32 microcontroller, microSD
card slot, USB-C, extension
connectors.

Easy Deployment with
multifunctional BASE.



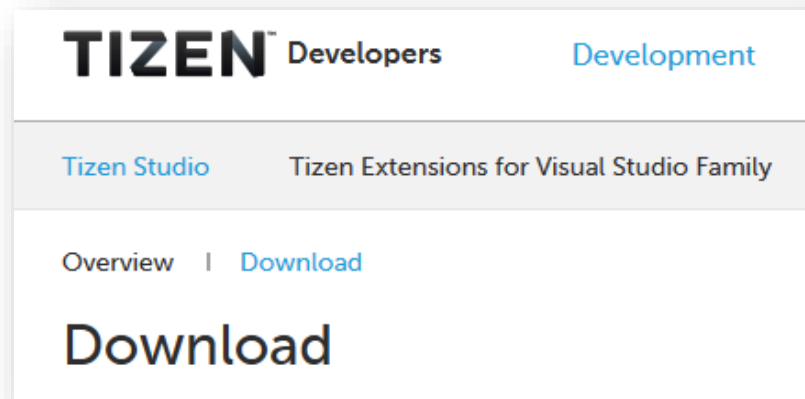
Wearable examples



Tizen 5.5 Werable



Based on the graphic library LVGL 8.x

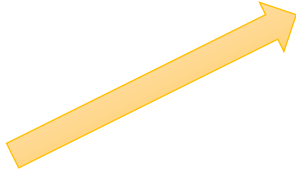


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..an use-case

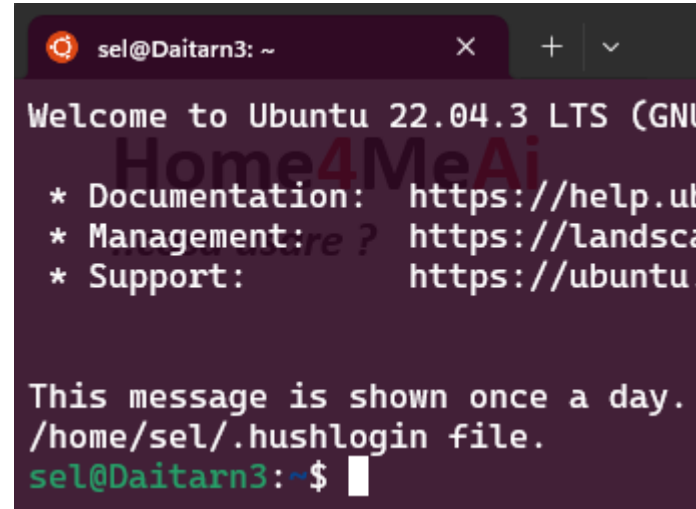
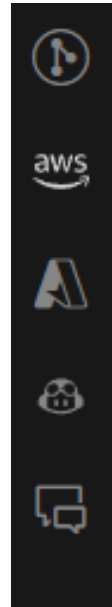
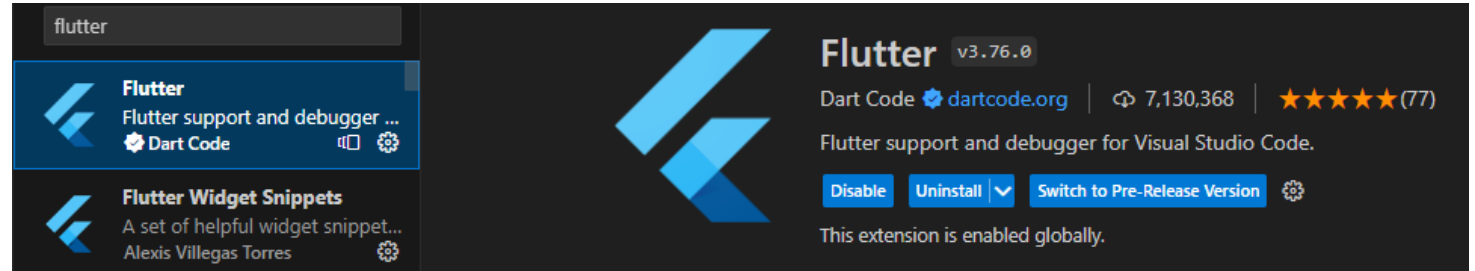
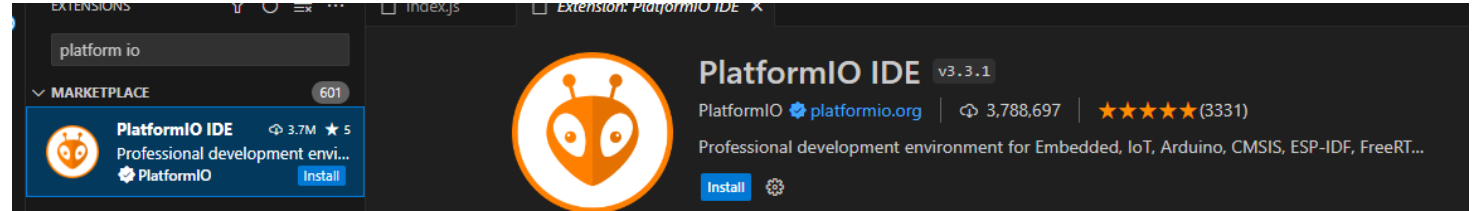
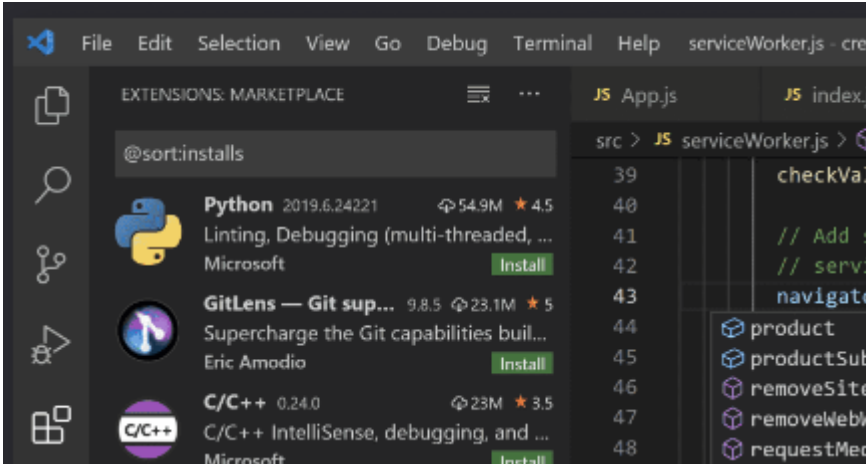


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..software tools !



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..where to begin ? 🤖

There are lot of «free» resources !

- AWS Activate program – 1000 USD for 1 year + benefits, *AWS Portfolio Activate* 5000 USD for 2 years + benefits
Benefits: 500 **USD Mongo DB, Learning, Auth0, Miro**
- Microsoft for Startup: 1000 USD for one year, al Level 2 5000 USD for 2 years
Benefits: **Open AI** credit, **Learning, Office 365 Enterprise** (al Level 2), **Power Automate/BI**, ecc
- Google for Startup: 1000 USD for two years



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Thanks!

- Questions ?
- Suggestions ?



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