## Introducing Bangle.js (the NodeWatch)



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### "any application that can be written in JavaScript, will eventually be written in JavaScript."

Atwood's Law https://blog.codinghorror.com/the-principle-of-least-power





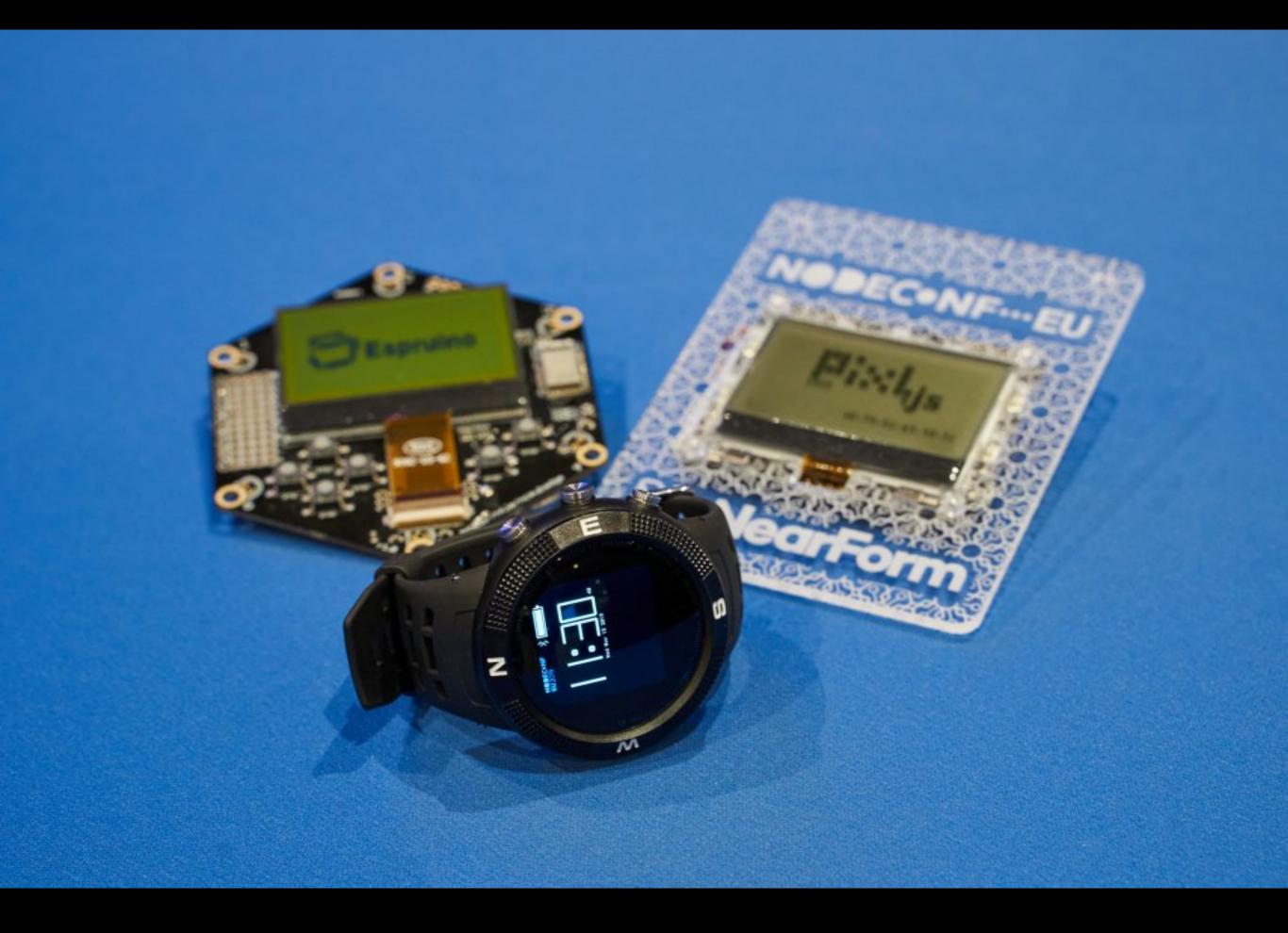
# The world's first hackable open source JavaScript-powered and TensorFlow-powered smartwatch



https://nodewatch.dev/







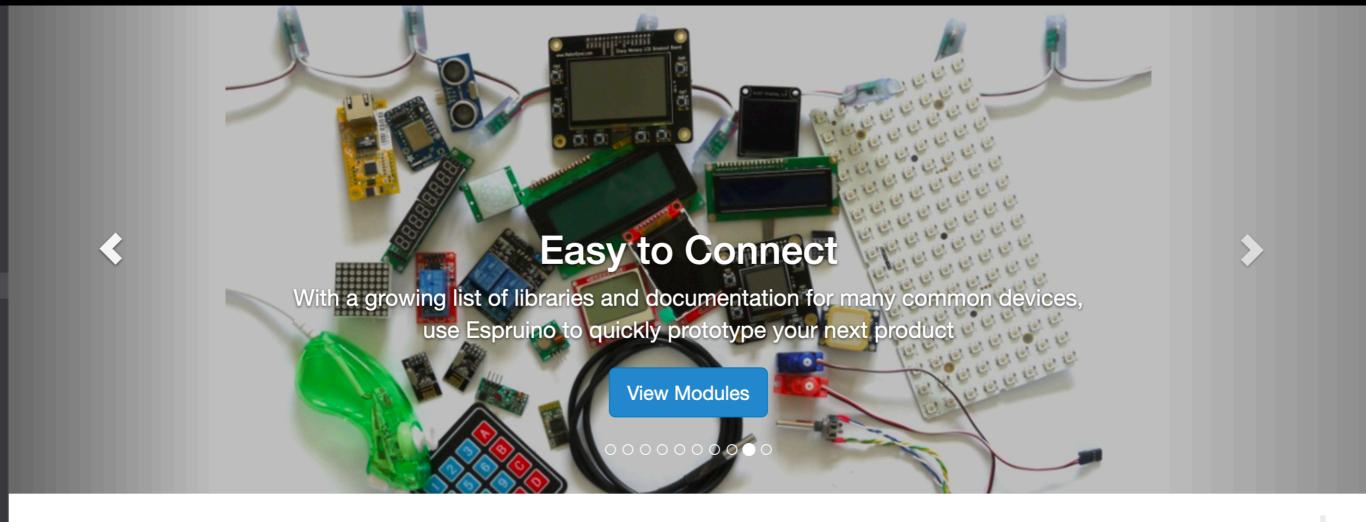


### **Hardware**

### **High-Level Hardware**

- Nordic Semiconductor NRF52832 SoC with Bluetooth LE 4.2
- KX023 accelerometer
- 3 axis compass
- BD 1668 heart rate monitor
- 32 mbit flash similar command set to this
- 240x240 Colour LCD
- Holtek touch controller <u>bs83a02a with 2 zone on/off</u>
- GPS UBX-M8130, ROM CORE 3.01, PROTVER=18.00\*11
- Buzzer

### https://nodewatch.dev/software



Got my @Espruino running nicely in 15 mins on Win 8.1. This is the perfect hardware to introduce students to ICT in schools.

by Ward De Backer -





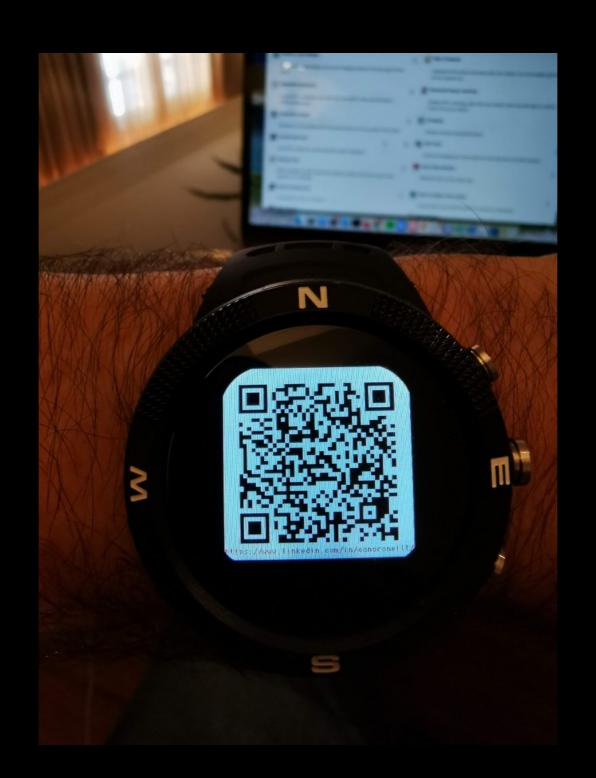


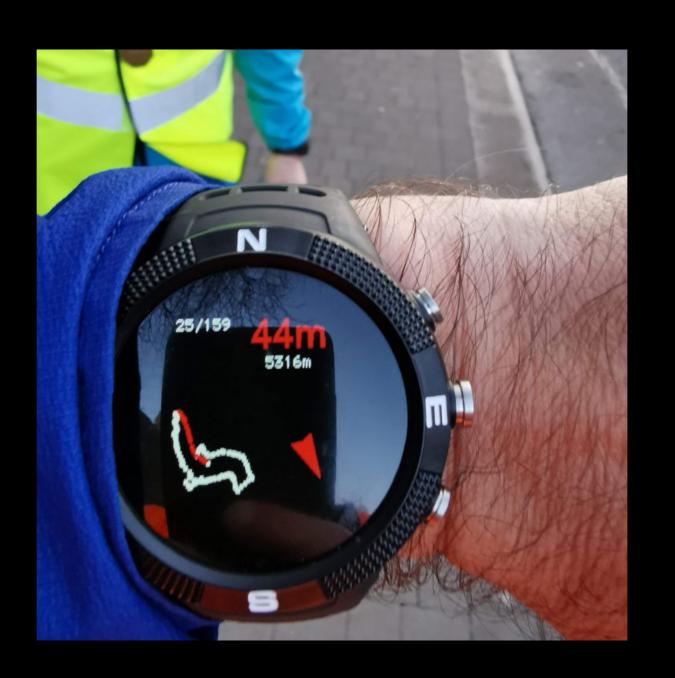


Fully Open Source

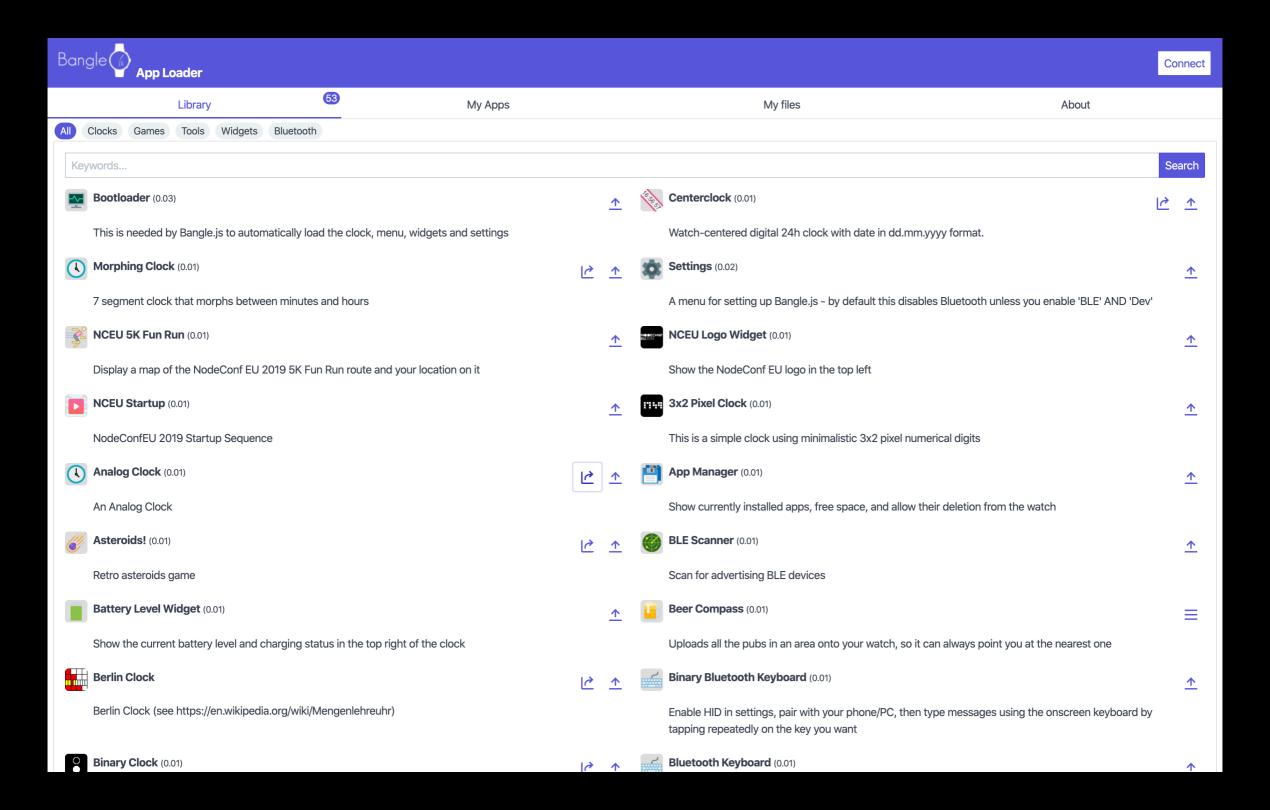


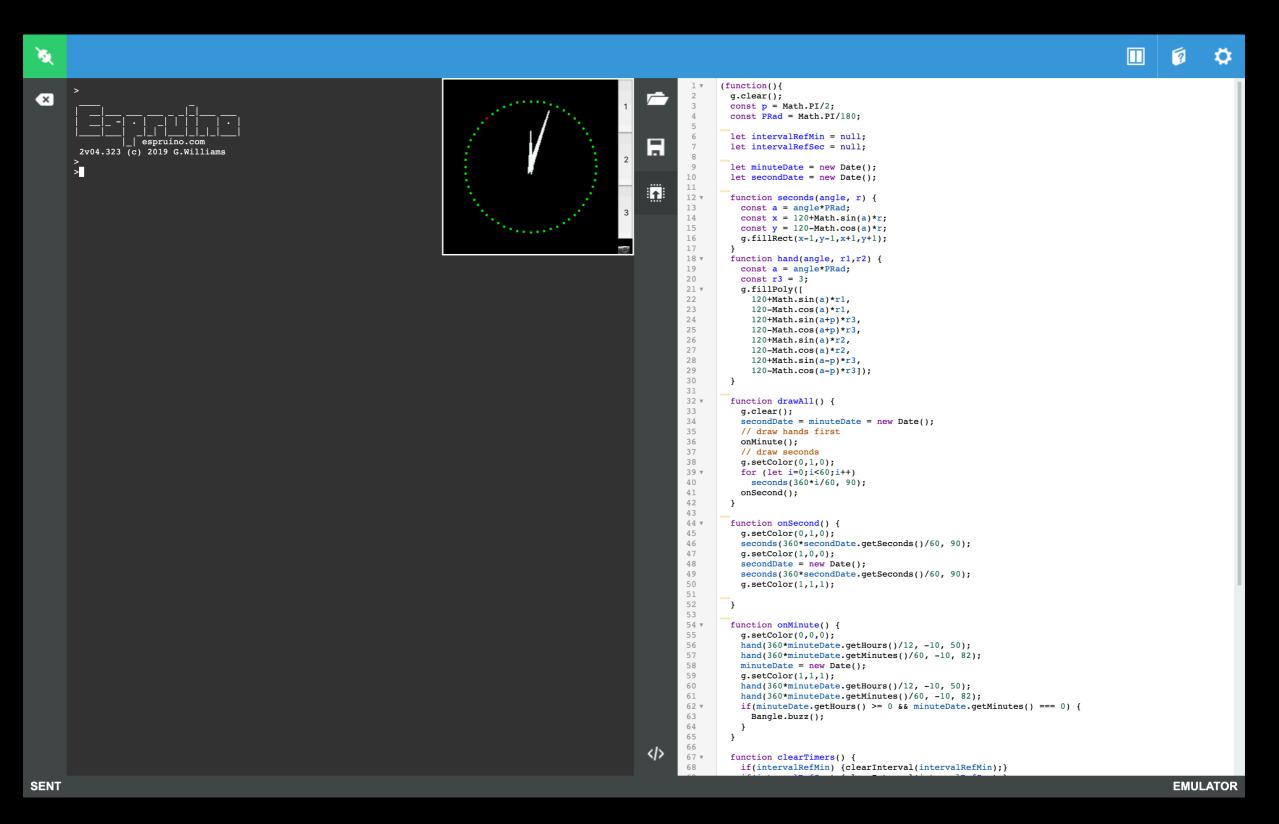
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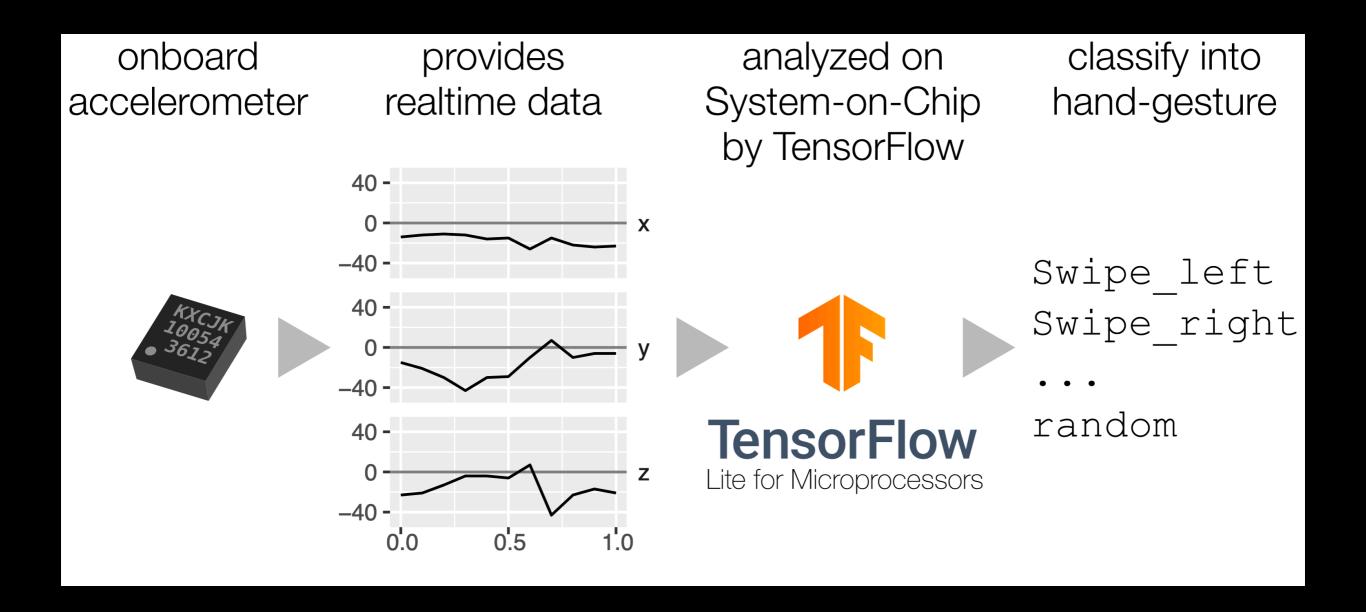




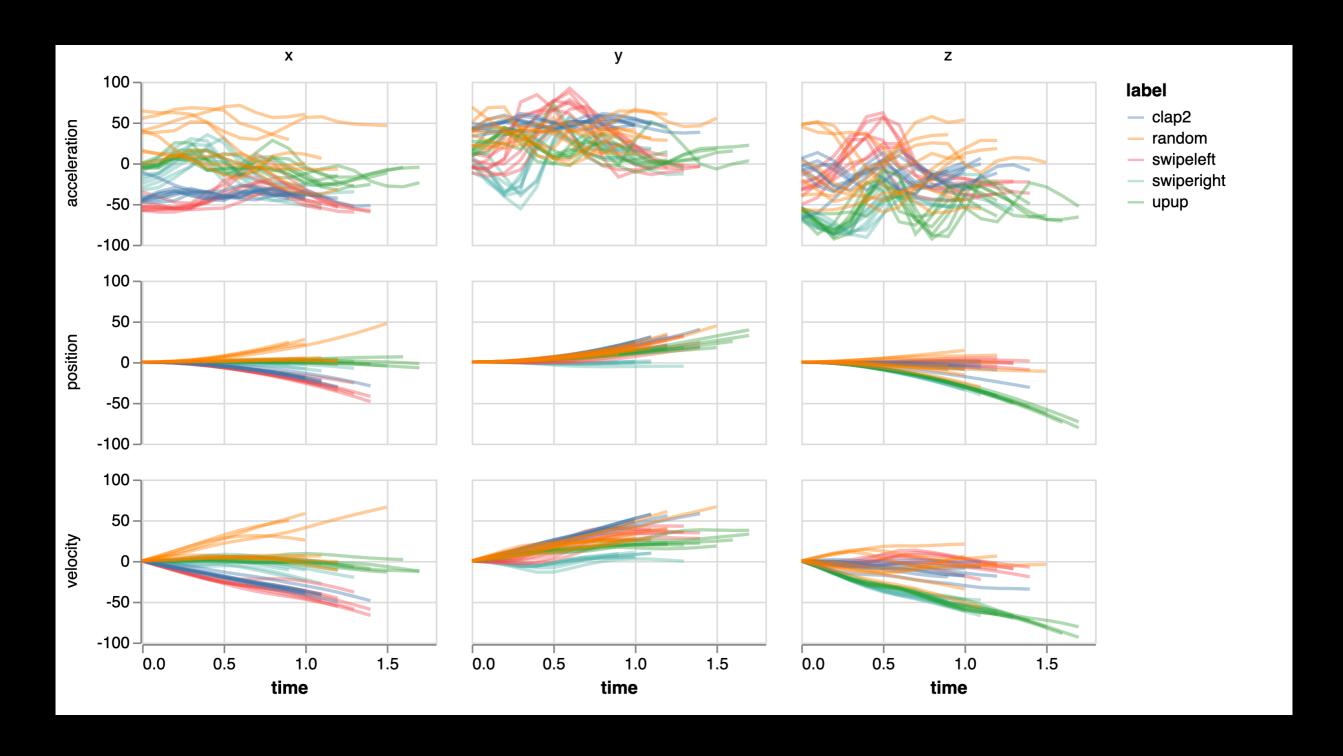








https://www.nearform.com/blog/running-tensorflow-lite-on-nodewatch-bangle-js/



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