Computing in the Small: Making it with the Arduino

Carl Bredlau

bredlauc@mail.montclair.edu  pages.csam.montclair.edu/~bredlau/

Feb 11, 2015 (edited)
My life in computing…

… so far
1967 — 2015
FORTRAN
COBOL
PL/I

APL
IBM Assembler
JCL
VM/CMS
(Dennis Ritchie and Ken Thompson)

- BASIC
- C
- C++
- Pascal
- Ada
LISP
Prolog
Java
PC Assembler
Java Assembler
SPARC Assembler

csh
and now...

Go
Swift
Lastly,

Arduino

Beaglebone
...and where I spent it
How I found out about the Arduino…

Limor “Lady Ada” Fried
March, 2011
... and adafruit.com
and arduino
(get the starter pack)

Note tutorials and accessories
The source:

arduino.cc
```c
void loop() { // run over and
    int in = digitalRead(switchPin);
    Serial.print("Read switch input: ");
    Serial.println(digitalRead(switchPin)); // Read
    if (in == HIGH) { // doing nothing
        state = LOW;
    }
    else {
        if (state == LOW) {
            light = !light;
            Serial.print("Light is ");
            Serial.println(light);
            ktr++;
            Serial.print("Counter is ");
            Serial.println(ktr);
            state = HIGH;
        }
    }
}
```

Binary sketch size: 3,564 bytes (of a 32,256 byte maximum)
Thanks!
And Carpe Diem!

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