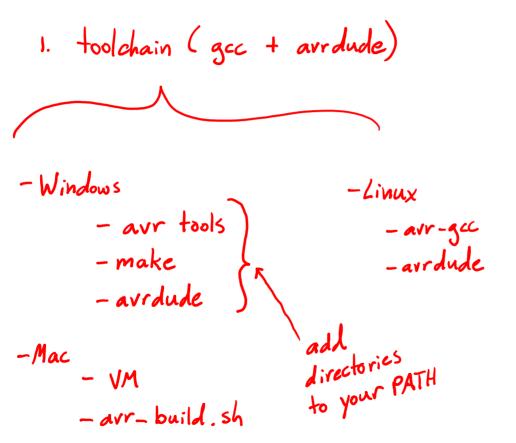
4 x A A batteries

Using the Bumblebee board

Programming



2. download the Bumble bec library

Programming

Build the library

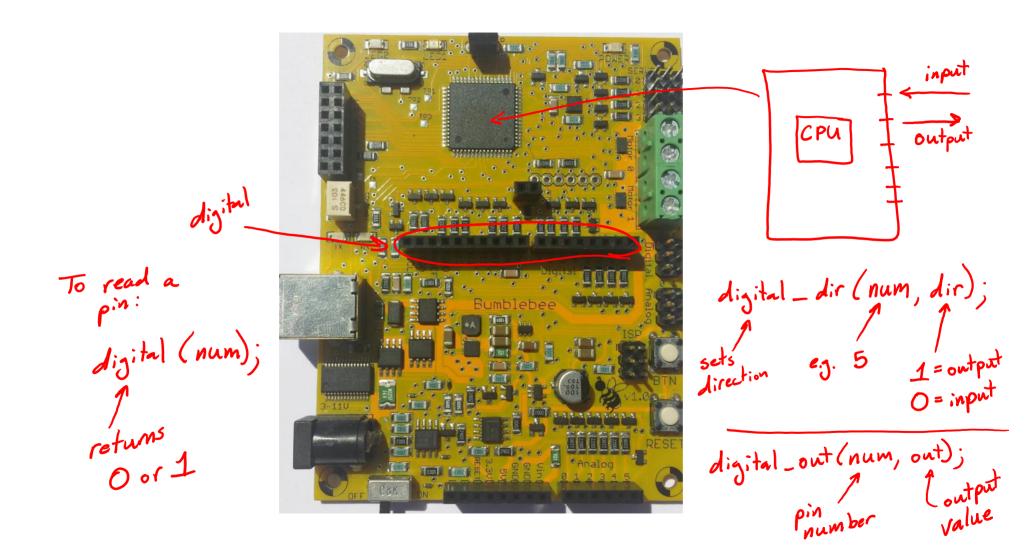
make program_windows

program_mac

program_linux

Programming in C

```
408 V;
-ATMega 645A
                             8-bit chip
     -16 MHZ
                                 - uint8_+ (u08)
    - 64 KB flash
                                - uint/6_t (u16) 
- float x; u16
    - 4KB RAM
```



Utility Functions

- init() - configures the board - always call at the start of your program - led-on (u08 num), led-off(u08 num) - get_btn() <- returns a 1 when pressed

LCD Functions

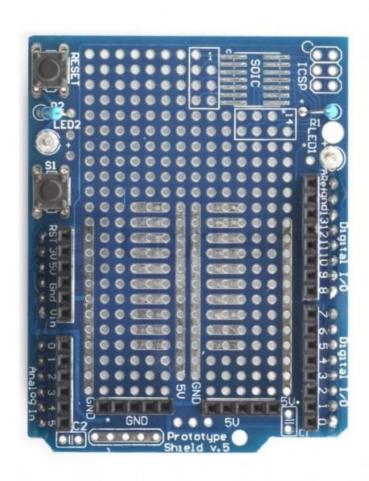
```
- clear_screen ()

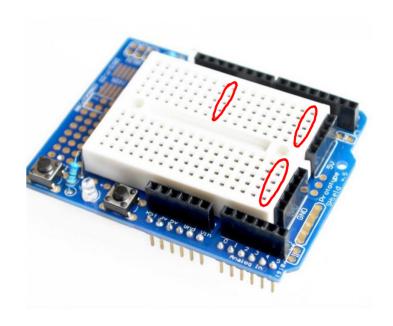
- print_ num ( ulb num)

- print_ string ( charx str);

- | cd_ cursor ( col, row);
```

Breadboard Shield





Accelerometer Functions

Board Debug Mode

- Lab 1 due next Monday

```
To enter debug mode:
     -hold down BTN
      and press RESET
```

```
- check voltage

- read sensor

- test motors

to select which

option
```