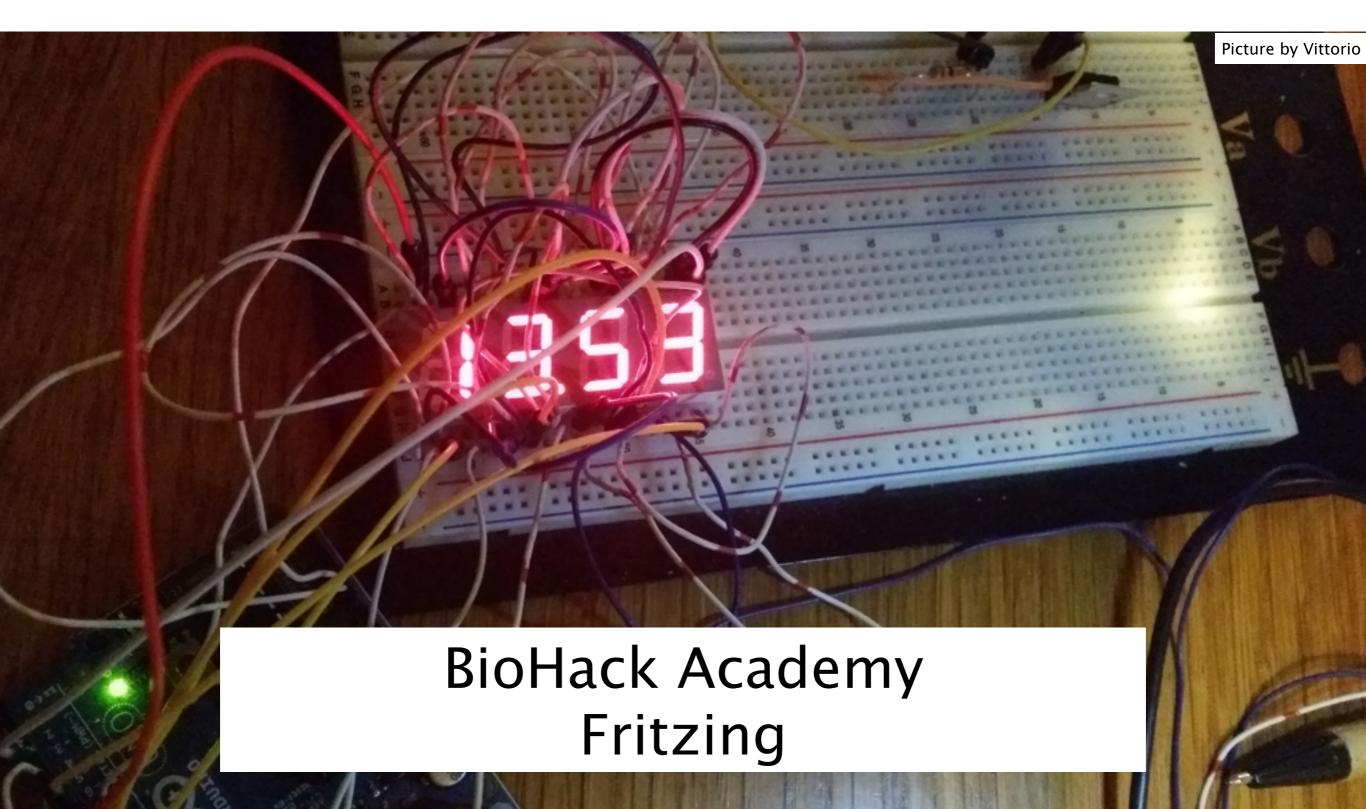


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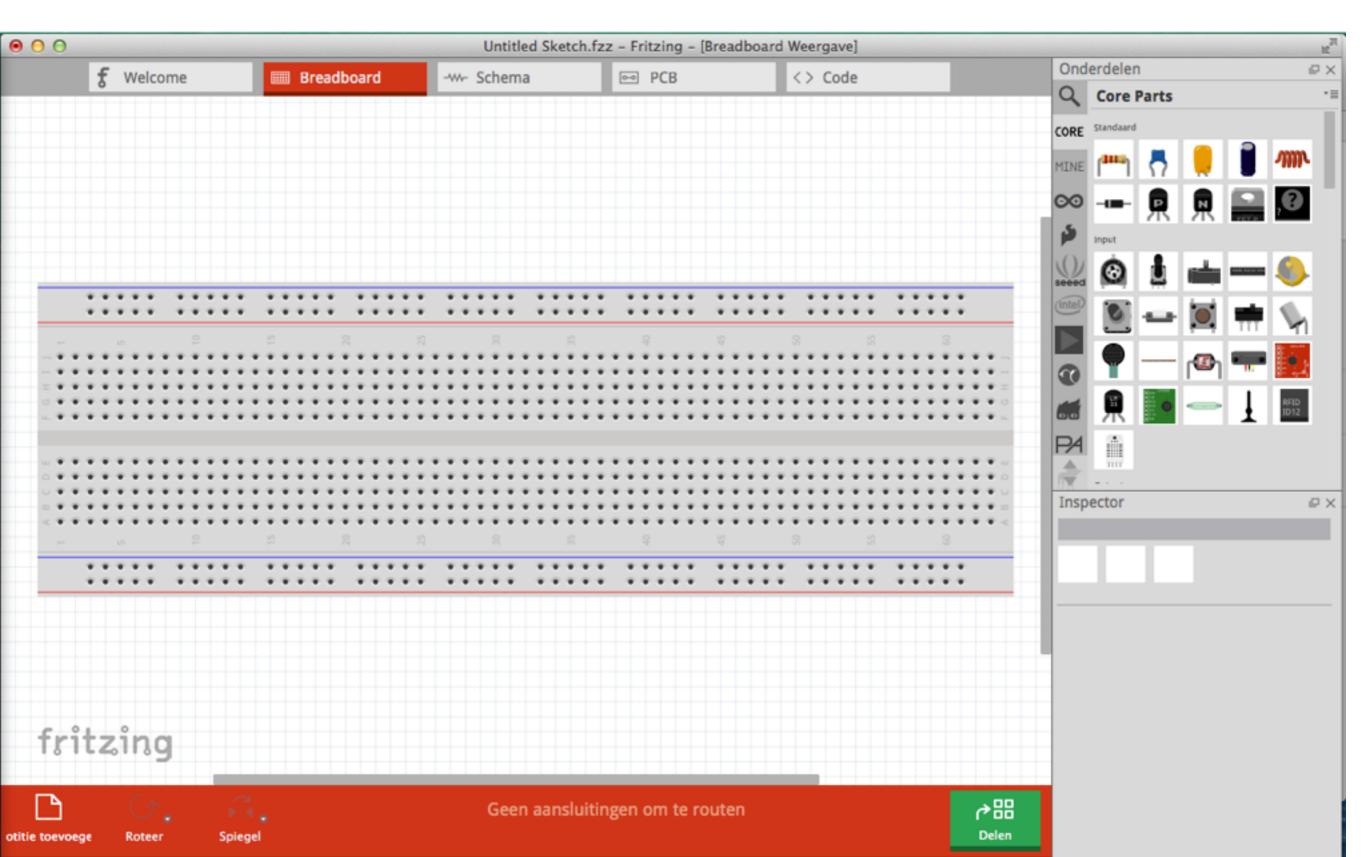




- Open Source
- Developed in Potsdam
- Made for artists
- Images published under CC-BY-SA
- Platform independent

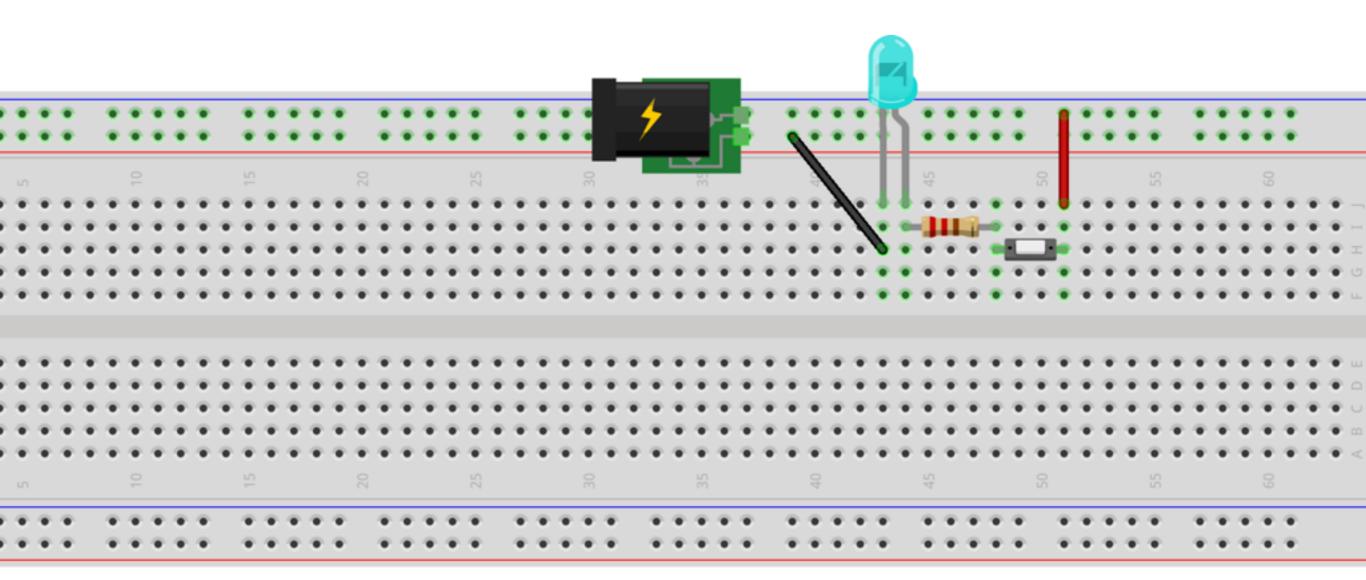








## Let's make a simple sketch





## Limiting current

- Most components have a maximum current rating
- Typical LED:
  - Voltage drop: 1.8V
  - Max current: 20 mA
- If supply voltage is +5V
  - The voltage across R1 = 5 1.8
    = 3.2V
  - Dividing voltage by resistance gives current:
    - 3.2 V / 220 ohm = 0.015 A = 15 mA
  - 15 mA is well below 20 mA

