# Arduino Bootcamp : Learning Through Projects

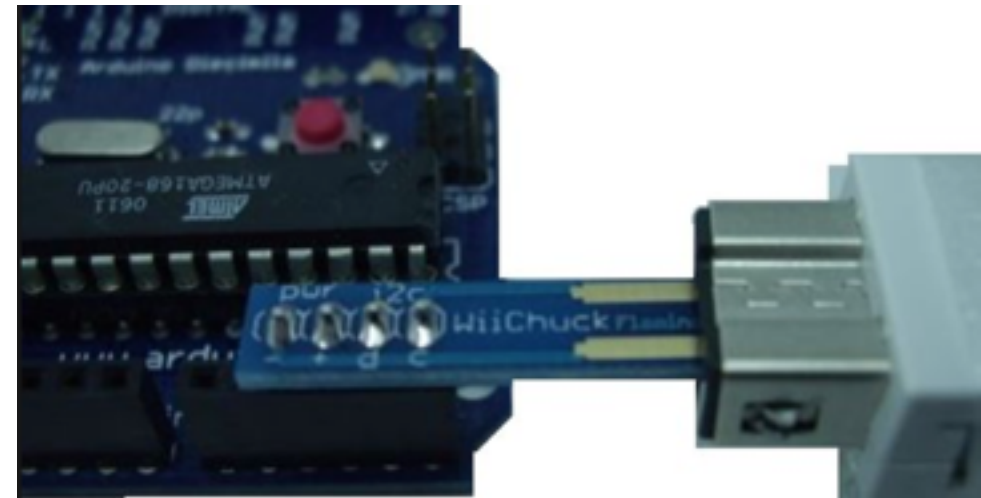Pan Tilt Assembly Control - Hacking a Wii Nunchuk - Part 1

# Project Objectives

- In this project you will learn:

  - How to interface with a Wii nunchuk and the Arduino using the nunchuk adapter

  - How to take measurements from the nunchuk

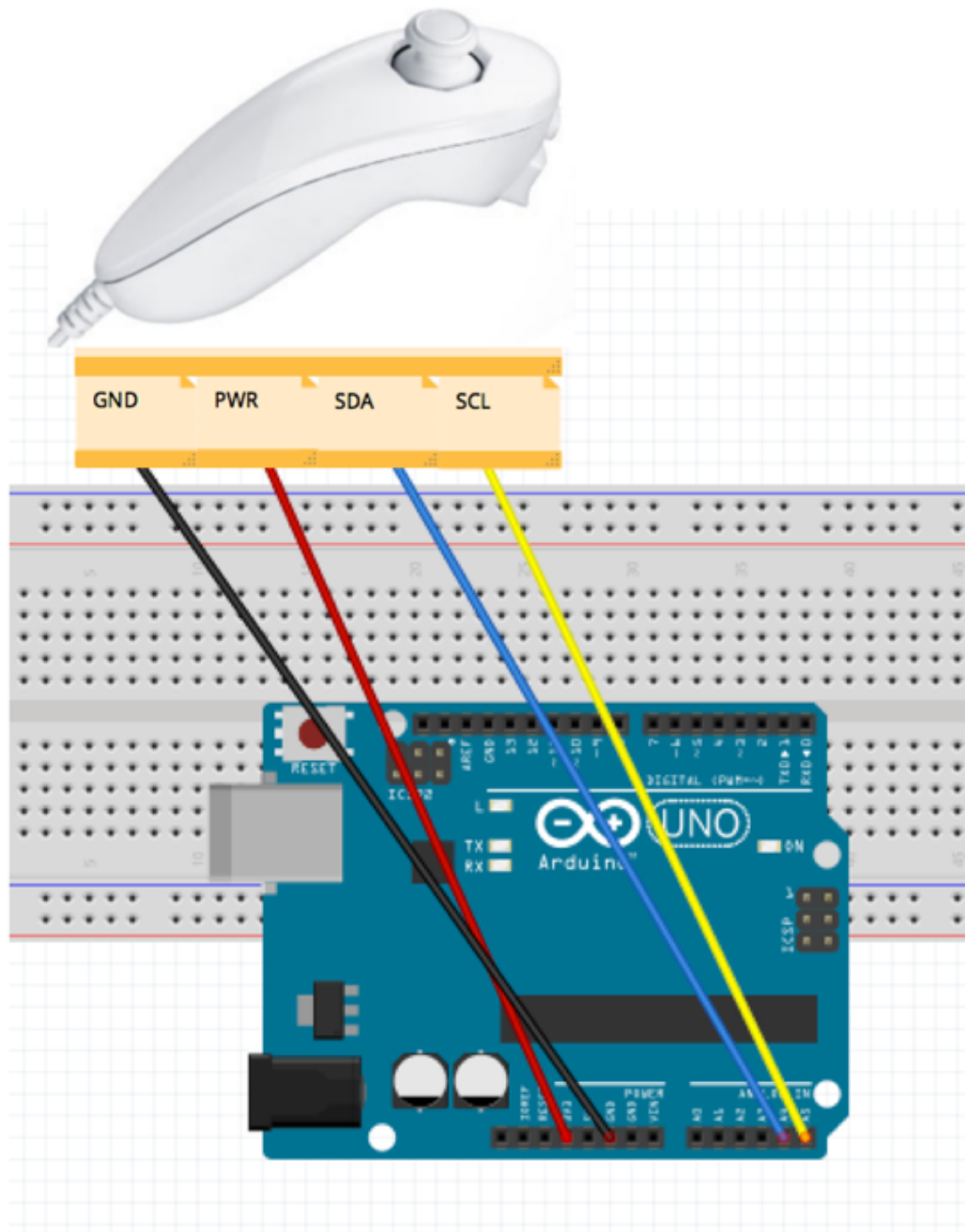  - Using the ArduinoNunchuk library

# Parts

- Arduino Uno

- USB A-B cable

- Breadboard

- Wii Nunchuk

- Arduino Nunchuk adapter

- Connecting wires

# How the Nunchuk Adapter Works





| Adapter Pin | Arduino Connection |
|:---:|:---:|
| c - clock | A5 |
| d - data | A4 |
| + | 3.3 V |
| - | GND |

# Circuit Diagram

# Summary

- In this project you learnt:

    - How to interface the Wii nunchuk with Arduino using the nunchuk adapter

    - How to take readings from your nunchuk to determine the position of the joystick