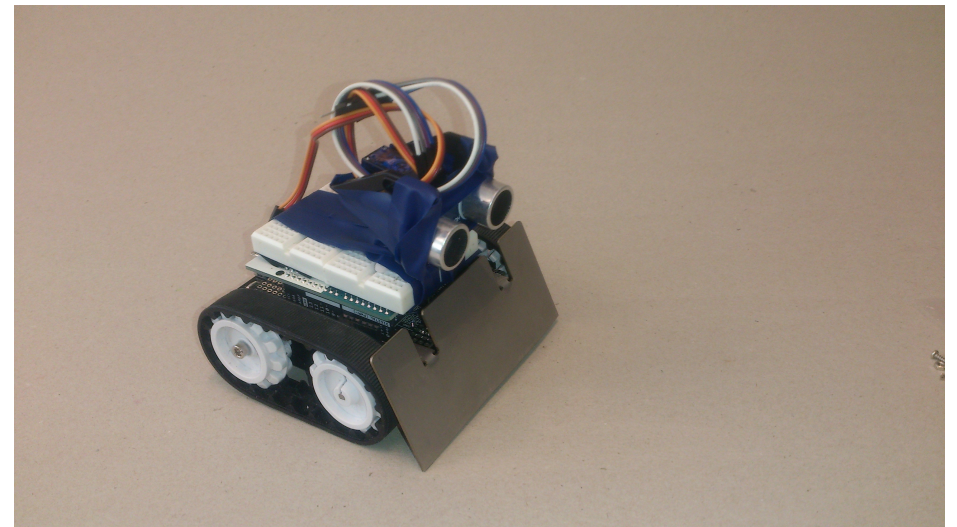


# Hvordan lage en sonarbot

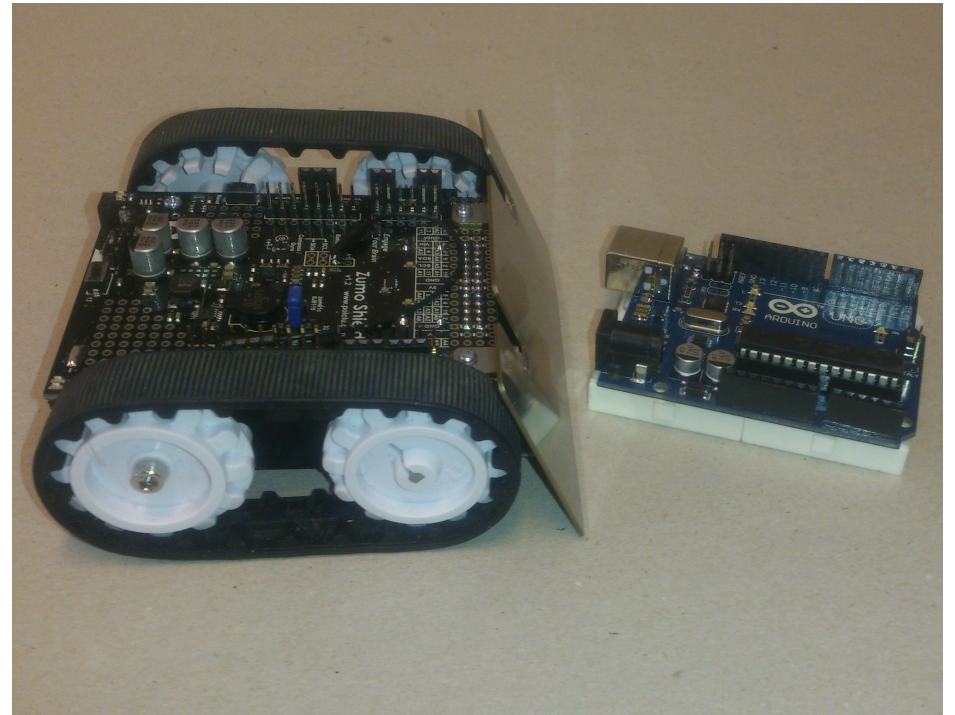
Det er mange muligheter  
Her beskrives en av dem

# Hva som lages her

- En Zumo robot med påmontert ultralydsensor
- Servo som styrer retning på ultralydsensor

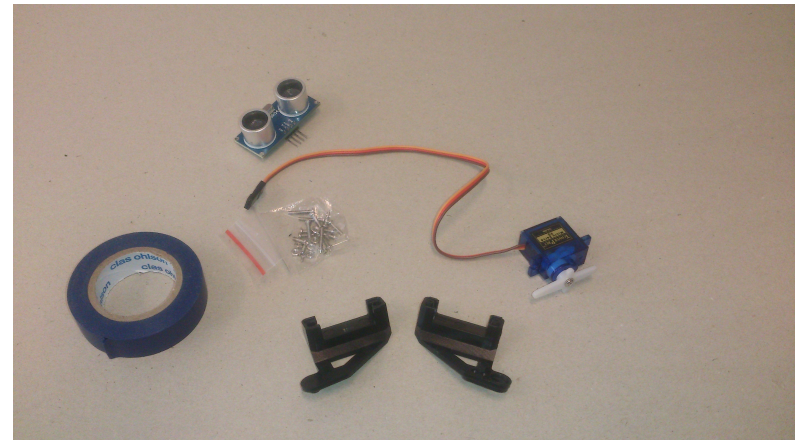


# 1: Ta Arduino av Zumo



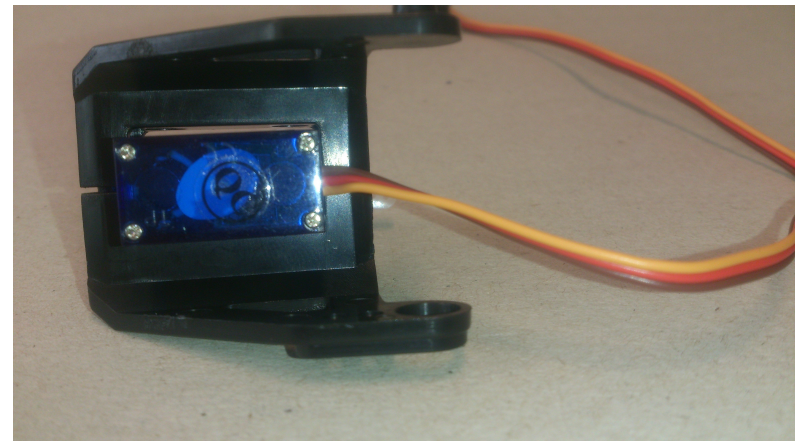
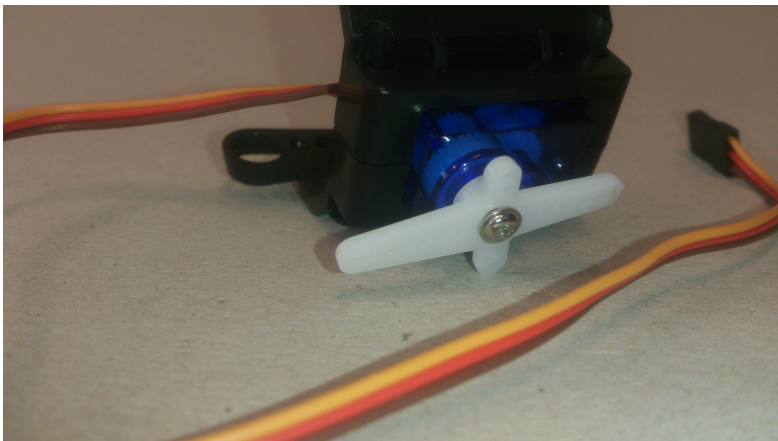
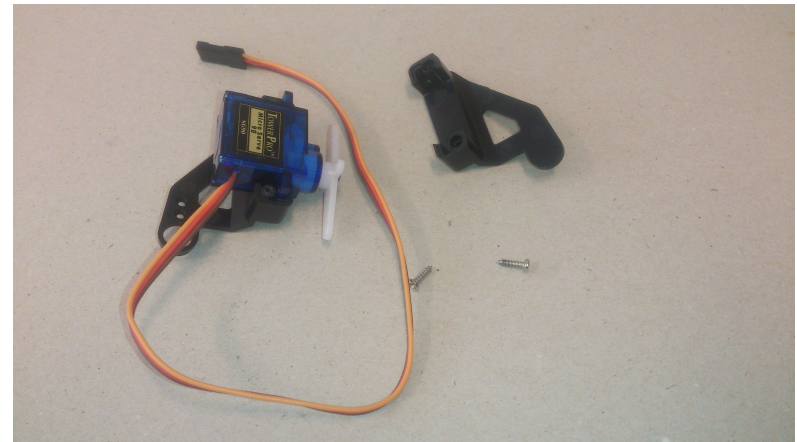
## 2: Finn robotarm

- Finn pose med robotarm
- Sorter ut det du trenger, som vist på bildet
- Finn ultralydsensor
- Finn servo
- Finn tape



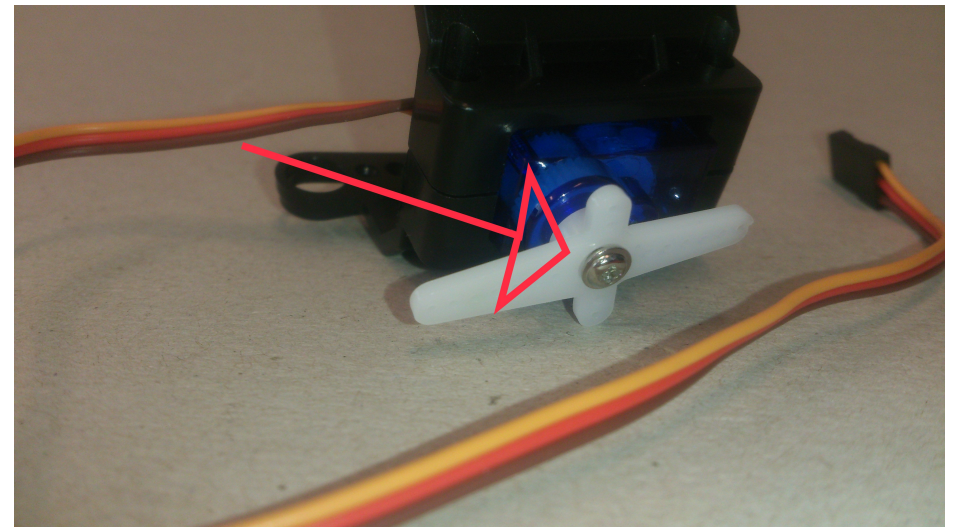
# 3: Monter arm

- Fest servo i sporet på arm
- Skru sammen arm



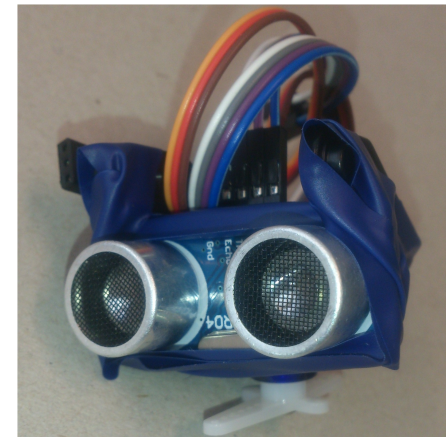
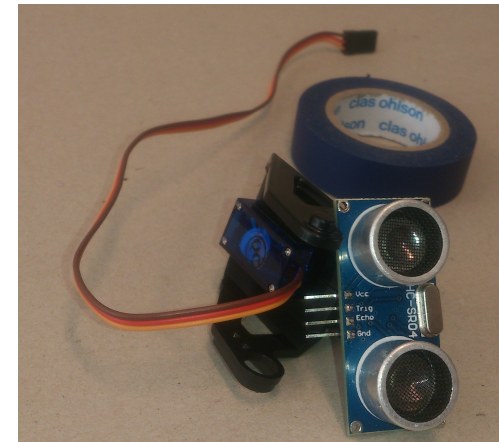
# Verdt å merke seg

- Retningen på armen på servoen avgjør hvordan du får festa konstruksjonen til Arduinoen
- Det er enklest å feste det hele om armen står på tvers når servoen er midtstillt (her er servoen stillt helt til ene siden)



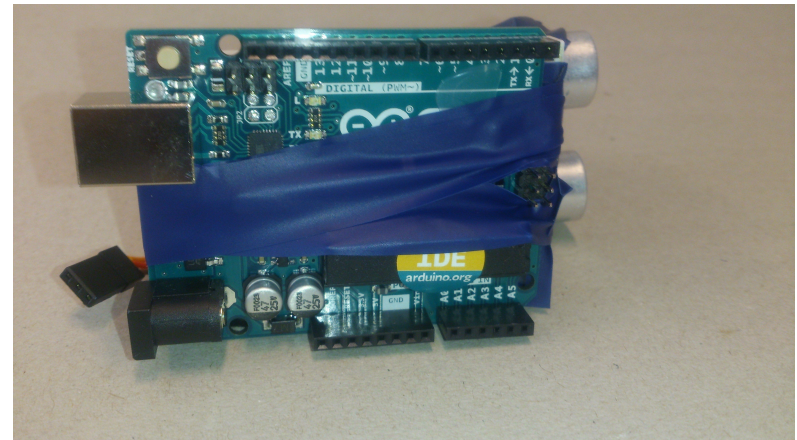
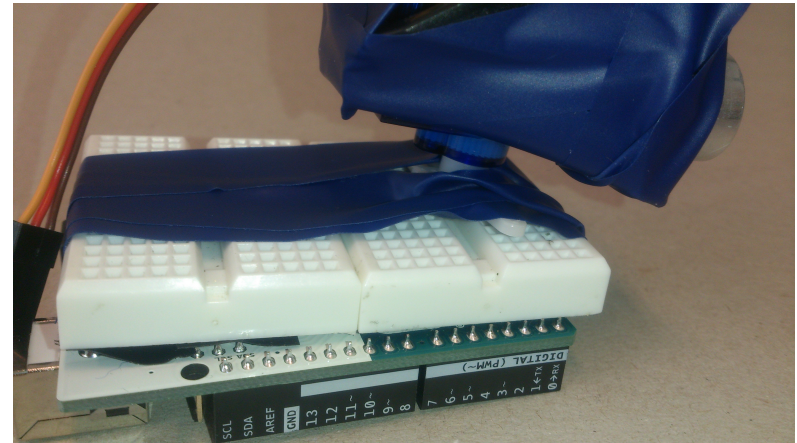
# 4: Monter ultralydsensor

- Tape fast ultralydsensor på armen
- Husk å feste kabler til ultralydsensor
- Forsikre deg om at konstruksjonen ligner på et hode med fet frisyre



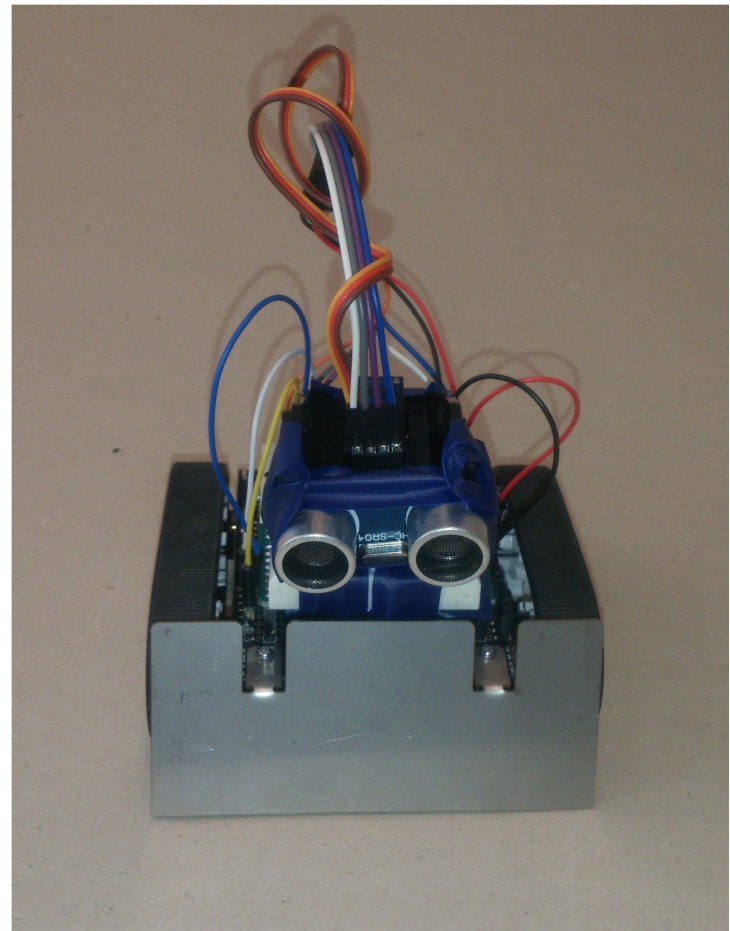
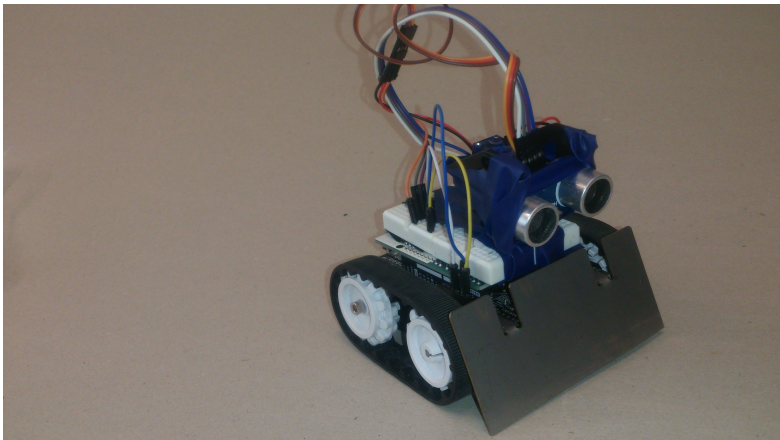
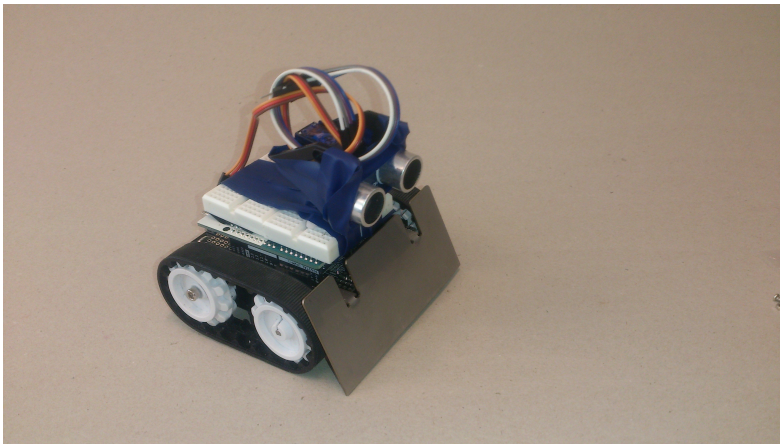
# 5: Fest hodet til Arduino

- Bruk tape
- Hvordan servoen står avgjør hvordan hodet kan roteres; du vil kunne se til begge sider
- Forsikre deg om at servoen kan bevege seg, det er kjedelig om hodet er tapet i en posisjon

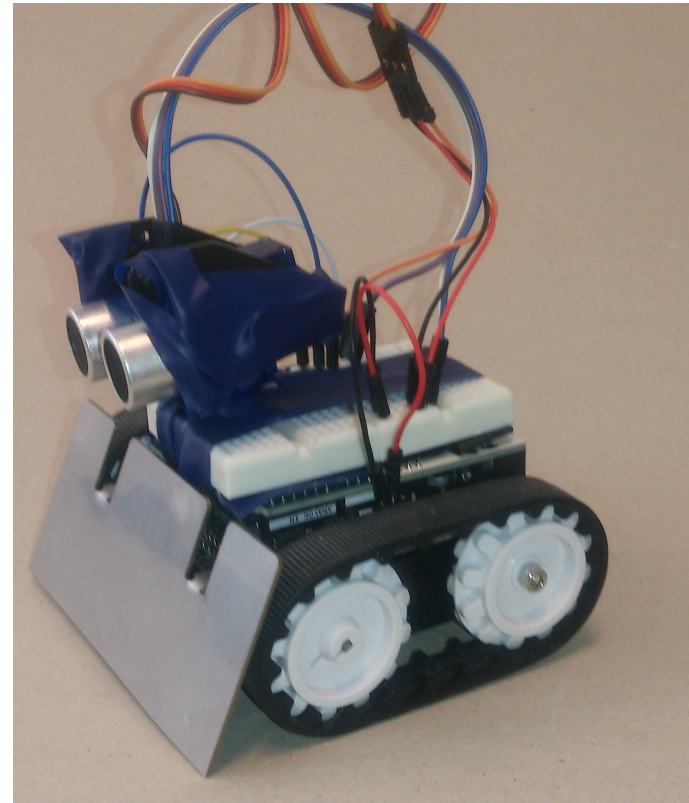
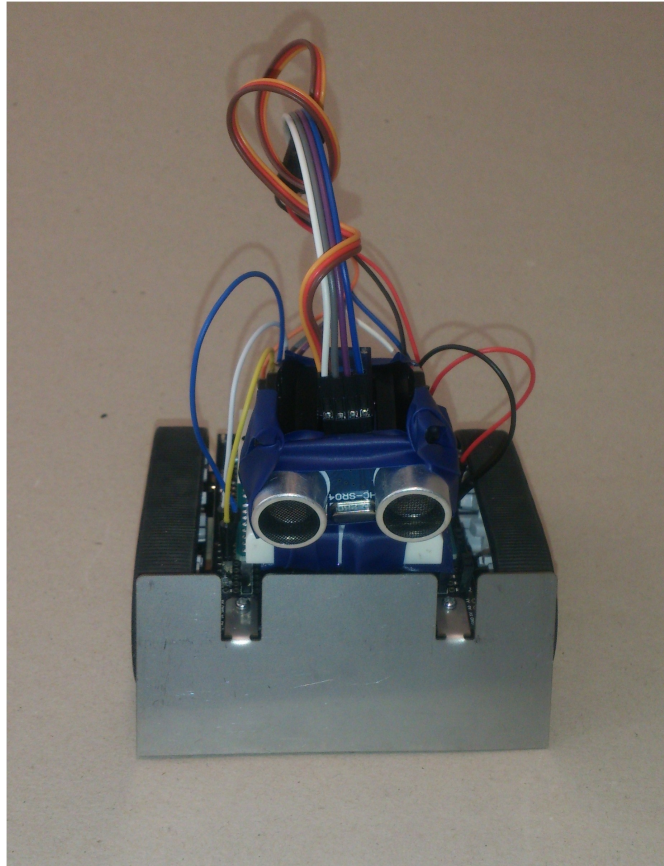
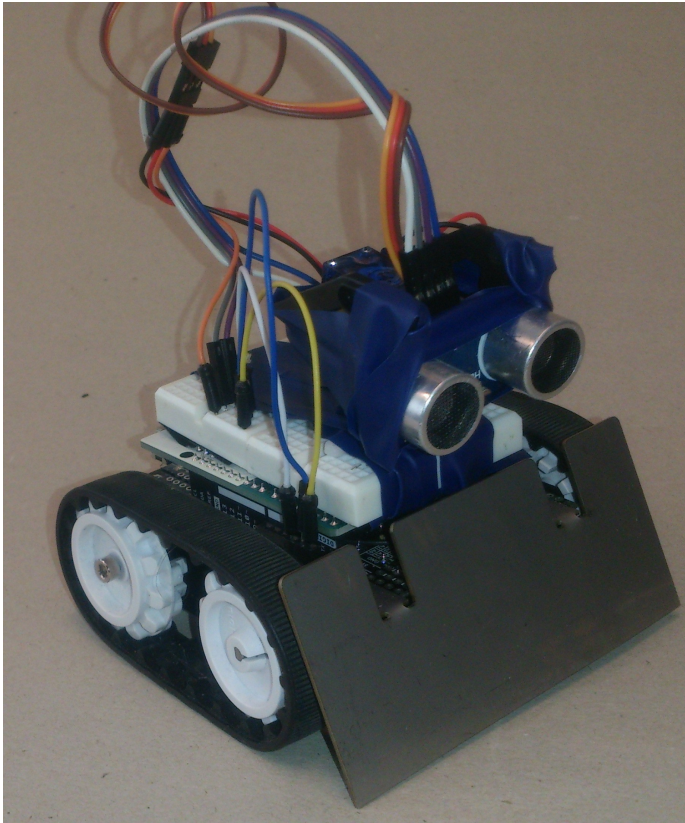




# 6: Monter Arduino på Zumo, koble til

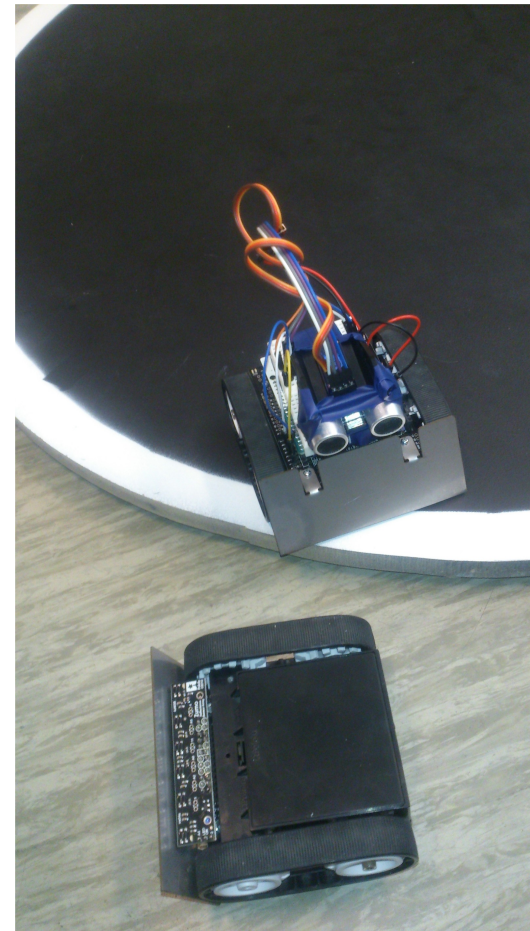
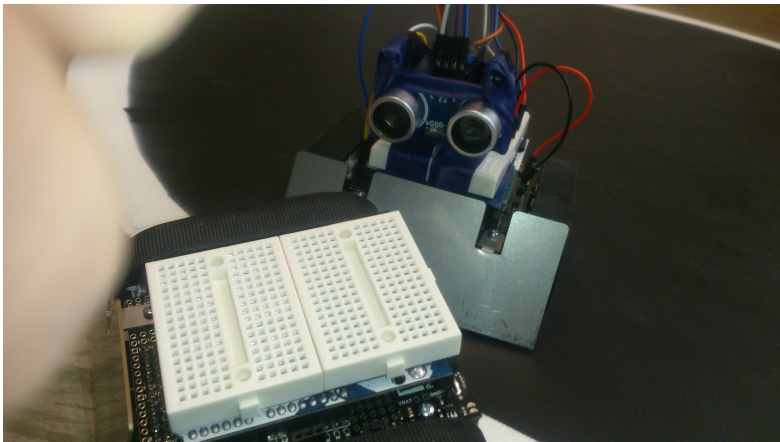
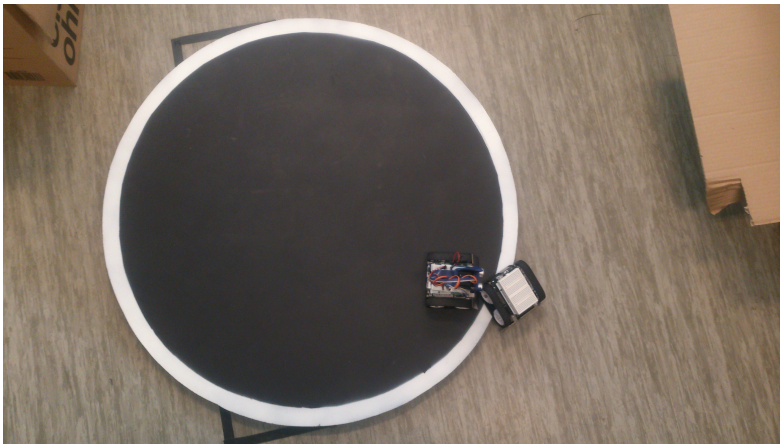


# Resultatet:

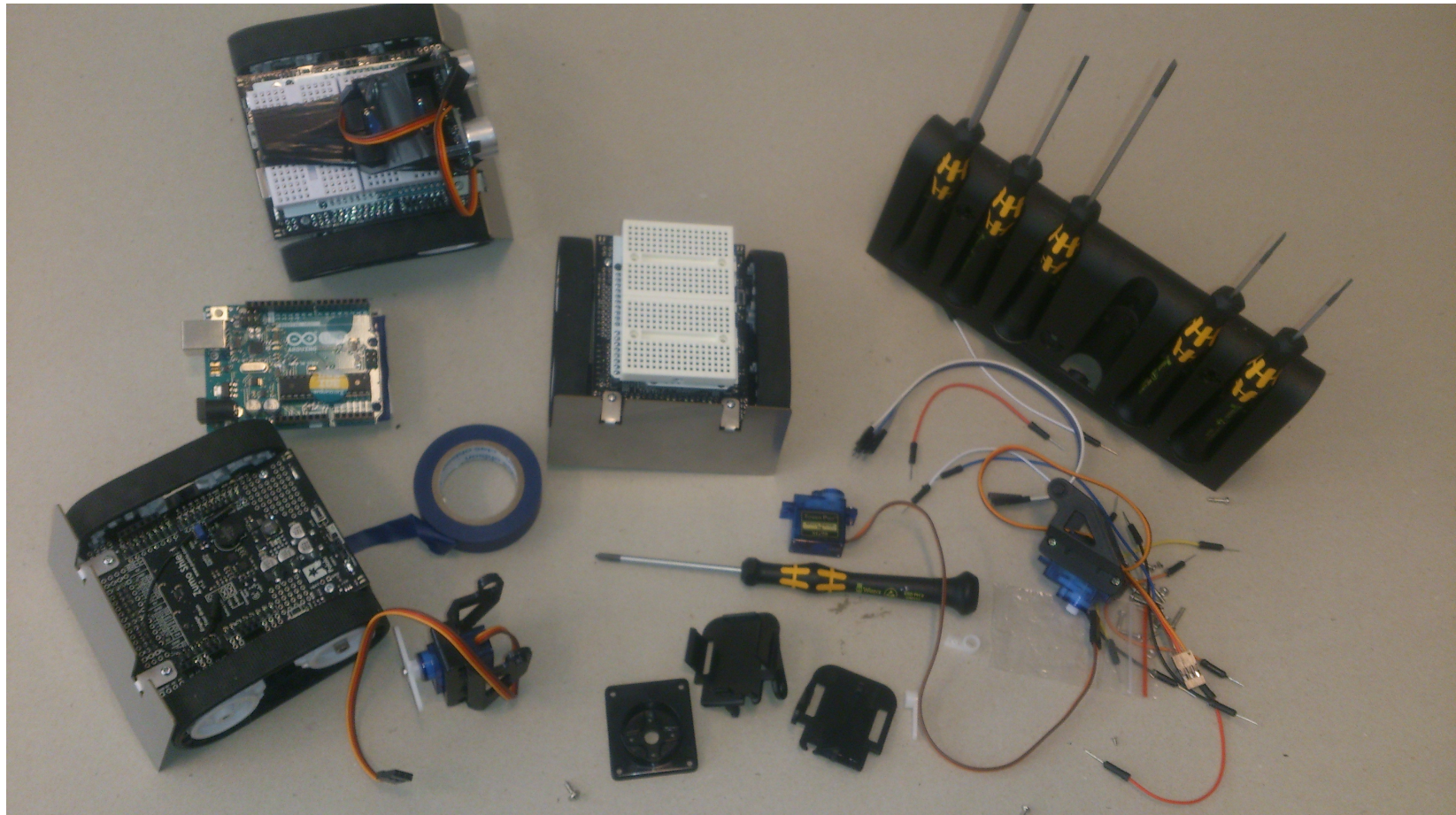


# Neste: Vinn Zumo konkurranse

Merk: Bevegelig ultralydsensor garanterer på ingen måte seier. Prøv deg fram!



# Takk til alle delene som var med



...og husk å smil...

