
Report of GPA Assignment 1

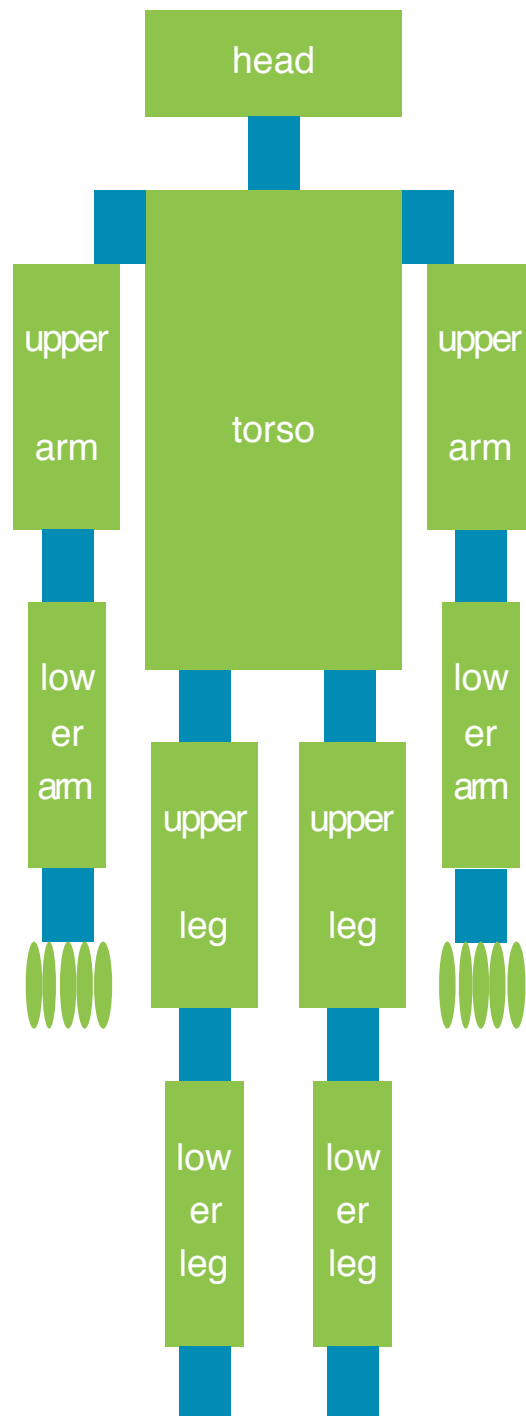
Nerd's AlphaGo

101021120 鄭宇翔 - 2016年3月20日

A. Snapshots of My Robot: Nerd's AlphaGo (Without and With Lighting)



B. Part Relation Diagram



- Blue squares: joints (關節點), such as knees, shoulders, elbows, hands, neck, etc.

C. How to execute it

- OS: Mac OS X El Capitan v10.11.3
- IDE: Xcode Version 7.2.1 (7C1002)
- ❖ Open Xcode project file in '101021120_AS1/Xcode source file' folder then build and run it.

D. How to control it

- Keyboard:
 1. WASD, wasd, or ▲▼◀▶: rotate the perspective (spherical coordinate system)
 2. E or e: start/pause the animation
 3. R or r: [Walk] → [Run] → [Cry & Run] → [Walk] ... (loop)
 4. L or l: lighting on/off
 5. O or o: spotlight
- Mouse:
 1. Right click: open/close GLUT menu.
- Menu:
 - Action
 - ✓ Walk
 - ✓ Run
 - ✓ Cry & Run
 - ✓ Start: start animation
 - ✓ Stop: stop animation
 - ✓ Exit: exit the program