VisualStates tool

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https://jderobot.org
http://jderobot.org/VisualStates
https://github.com/jdeRobot/VisualStates
VisualStates is a

- Reactive
- Hierarchical
- Visual

tool for generating robot behaviors as ROS nodes using Finite State Machines

https://github.com/JdeRobot/VisualStates
VisualStates Design

INPUTS:
- Auxiliary Codes
- State Codes
- Transition Codes
- Visual Design

VISUALSTATES TOOL:
- Visual FSM Editor
- Intermediate XML Representation
- C++ / Python Code Generator

OUTPUT:
- ROS Node
VisualStates Design

Reactive Hierarchical Control by having individual threads at each level.
VisualStates Design

Cascading behaviors by importing previously developed behavior on another behavior
VisualStates Future

- Planning to have repository of parametrized behaviors
- Users will be able to exchange and improve each others behaviors
- Users will be able to compose new behaviors using already developed ones.
- Similar to
  - Play Store or App Store
  - Scratch projects