



Behaviors design for Nao (autonomous robot)

6 Months Graduate Internship

Project Description

The internship is a part of a robotic project, untitled ROMEO. The goal is to create a companion robot. SpirOps is in charge of the tools used to design the autonomous behaviors of the robot. SpirOps is also responsible of designing the behaviors that will create an affective bond between the robot and its users. This bond will emerge from logical emotional responses based on common history and a well defined and rich personality.

Topic Description

The goal is to create some behaviors that will make the perfect companion robot. These behaviors will be based on shared memories, emotions and personality. The internship also includes a collaborative work on the definition of the robot's personality, the emotions it expresses and its internal emotional state. It also includes a collaborative work on memories, and a semi automatic tagging of emotions.

The rest of the internship will be focused on designing specific behaviors to demonstrate the technologies of memories / personality / emotions. These behaviors will allow the robot to fit into its environment and to be accepted by its users.

Internship Description

The internship will take place within our R&D team, localized in a warm and friendly open space of the 11th district of Paris. The payment is about 400 euros monthly, with the prospect of joining the team in a fixed term contract, rolling contract or a PhD thesis, based on the motivations and qualities shown during the internship. Applications can be sent to contact@spirops.com.

Keywords

Artificial Intelligence, robot, behaviors, emotion, interaction, C++