

Research and Development Master Internship Offer Empathy Models in Human-Robot Interaction.

Behaviors.ai Labcom¹

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October 23, 2017

Abstract

Nowadays, so called “social robots” lack, despite of their name, of social intelligence which is a prerequisite for relevant interactions with humans [1]. However, empathy—“the ability to feel and understand others’ emotional experiences” [2, para. 1]—emulated on social robots improves their interactions’ quality, and relevance with humans [3–13].

The goal of this internship is to help new empathy models’ positionning regarding existing ones. For that, the intern will re-implement some of the state-of-the-art empathy models such as [3–7, 14, 15] and will check the results’ reproductibility. Then, the intern will compare these models’ ability to improve human-robot interactions in order to establish a baseline with which futur algorithms emulating empathy could be compared with.

So, if you want to join us and make robots less dumb, this intership is for you!

***Behaviors.ai* labcom**

The labcom *Behaviors.ai* is a collaboration between *LIRIS*’s *SMA* team and the *Hoomano* company. *Behaviors.ai*’s research is focused on robotics, developmental artificial intelligence, and empathy for social robots.

Required Skills

- Environment: Linux.
- Version control system: Git.
- Good English reading skills.
- Be at ease with Object-Oriented Programming.

Complementary Skills

- Languages: \LaTeX , Python.
- Having a previous experience with robots.
- Good English writing skills.
- Good table football skills.

Useful Information

- Internship starts at the earliest in february 2018 and lasts 5 to 6 months.
- Remuneration according national standard:
<https://www.service-public.fr/simulateur/calcul/gratification-stagiaire>
- Address: La Tour du Web, 4 rue du Pr. Charles Appleton, 69007 Lyon, France.

References

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