

Internship offer for master 2 in computer science

Automatic generation of session for fitness training

Duration

Six months, e.g. March to August 2021

Compensation

€582.40 monthly bonus

Laboratory/Host company

PLEYO SAS / CNRS UMR6072 GREYC

Contact

Riad Makdessi <riad.makdessi@pleyo.fr> : exchanges must be in English.

Deadline for publication

January 15, 2021

Background

The startup Pleyo, in development within Normandie incubation, works in the field of connected fitness. Its goal is to offer the user a complete experience by interacting in a playful way on a fitness device with a computer or game console.

Topic

The work required of the trainee is to design a training program generator. Depending on certain data, parameters and constraints, this generator will have to propose a training sequence made up of layers supporting multiple interacting training data and media formats, within the defined constraints.

A proposed approach for the work consists in the realization of a plan with techniques such as Markov decision process, and possibly machine learning techniques.

Candidate profile

Master 2 student in computer science or 3rd year of engineering school

Training and skills required

- Specialization in multi-agent systems, planning, reinforcement learning, MDP, constrained systems.
- Good level of English (read, written, spoken)
- Taste for sport, fitness, video games

Employment address

Caen (France)

How to apply

Send CV in English, transcripts, recommendation and cover letter in English showing interest in research in this field to Riad Makdessi <riad.makdessi@pleyo.fr> and Hossam Eldin Bayoumy <hossam.bayoumy@pleyo.fr>, before 15/01/2021.