



Research Engineer (Applied RL)

InstaDeep Paris

INTRODUCTION

Thank you again for your interest in InstaDeep! We would like to invite you to the next stage of our recruitment process consisting of a take-home test followed by a technical interview.

THE TEST

For this stage, we would like you to develop and train an agent on the following gym environment: <https://github.com/cycraig/gym-platform>.



You are free to use any autograd, deep learning, and reinforcement learning libraries. You will be expected to explain your solution in detail, as well as to discuss your design and implementation choices and your evaluation strategy. We also expect you to present your solution and to be able to point the interviewers to specific parts of your code.

Particular features we are looking for:

- ☐ High-quality code that runs end-to-end
- ☐ Good machine learning and reinforcement learning design choices

Nice to have, but not necessary:

- ☐ A fully converged algorithm
- ☐ A model explainability pipeline on top of your reinforcement learning agent

THE PRESENTATION

The format of the presentation is at your discretion: markdown file, jupyter or colab notebook, slides, python script, etc. You will be expected to lead the discussion and questions might be asked in the course of your presentation.