

AE 598 RL Project

What to do

Your goal is to apply your understanding of reinforcement learning algorithms to a research problem of interest to you. Example types of applications are:

- Apply an algorithm (either learned in class or outside of class) to a problem of interest.
- Replicate an existing paper that uses reinforcement learning.

What to submit

1. Project proposal

Sign-up for a 10-minute time slot to meet with Huy and discuss your proposed project. Meetings will occur during class time on Thursday, March 23.

Due: 10am on Thursday, March 23

2. Final code and results

Submit a GitHub repository to Gradescope that contains your code and a report documenting your problem, methods, and results.

This report should mimic a short conference paper (e.g., around 4-6 pages) and be formatted in typical IEEE or AIAA format.

Your code should include a clear main.py file that someone could run to replicate your results, as well as a file clarifying required packages (e.g., a Conda env.yml file or pip requirements.txt file).

Due: 10am on Tuesday, May 2