

Project Constraints Essay

Algorithmic Adversaries

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Legal

There are legal concerns with the project, since we are using an application that uses some Pokemon intellectual property. Since we will not actually be using their source code or anything but the API though, we won't be intruding on the Pokemon copyright in any way, we are just using a public API to create a smart trainer. The main reason that we are fine with legality is because the problem lies in the art and music assets that are ripped from the games, which we won't be using.

Social

From a social perspective, our project will have some benefit to the Pokemon community. It will allow players to create and test new teams while maintaining privacy and not having to interact with other players.

Environmental

From an environmental perspective, this project will have a somewhat minimal impact on the environment, since this can be hosted from a single server that won't necessarily run all the time. The only limitation about where and how the project will be used or deployed is that the server and client must be able to connect to one another.

Economic

There are some economic limitations on this project, because of the costs associated with training the AI. Training the AI will require fairly extensive computational resources as well as the power costs of continuously training the AI. The project shouldn't have any other associated costs.