

Sawyer Redstone

Here is my proposal. I'd like to create a Python library that allows coders to use logic programming within Python, thereby granting Python users a familiar and easy to use interface for logic coding.

Here are the steps that I plan to follow, along with an estimated timeframe for each:

Research (3 weeks) - I will research requirements of a logic program, along with the current existing logic languages such as Prolog. Given that I am coding this in Python, I will also research Python so that I can make my library as efficient and easy to use as possible.

Create library (5 weeks) - I will use what I learnt in order to make a Python library that allows users to code logic programming without switching programs. This library should not just work well—I will also will prioritise simplicity and ease of use.

Demo program (3 weeks) - I will create a program that demonstrates the benefits of my library.

Test/Debug (1 week) - I will be testing my code throughout everything, but this is where I pull out every test I can think of. I will look up different situations that other logic languages allow you to code, and make sure that they all work as they should.

Write-up/Essay (2 weeks) - I will then write about my approach and explain what makes it better than the current existing alternatives.