**TFTBot Project:**

Analysis.

The Problem.

TFT, otherwise known as Team-Fight Tactics is an Auto-Chess, strategy game created by Riot Games and based on the engine that the popular MOBA League of Legends runs on. It is a incredibly complex, strategic game that requires game knowledge, experience and expert teaching to play at a high/ competitive level. Unfortunately, the game itself offers subpar at best tutorials to educate new players on how to play the game. New players are flung blind into the advanced game with little advice or guidance given, leaving them confused and loss during gameplay, hurting the experience, especially when they go up against more experienced players.

The Solution.

I believe that the solution for this is to create a TFT AI that players can play the game against at a configurable difficulty and around the clock. This will allow the players to improve and learn at their own rate, whilst also providing the invaluable opportunity to have an assistant that can assess any situation and provide immediate feedback and guidance on what could be improved on. I believe that the improvement gained from this would be the optimum way to improve at the game, far outweighing other methods such reading guides.

The Stakeholders:

The stakeholders/ target audience for the project will be players of the TFT game who either want to learn it for the first time, or improve their skills at the game. This will offer them an invaluable service to improve their ability to play the game at a competitive level, being vastly greater than any readily available method. Expert-guidance from an already pro level/ highly experienced player would be comparable, yet is not readily/ realistically available for everyone, all the time, unlike my solution.

Existing Solutions:

There are a few existing solutions available for players learning to play the game, such as reading community-crafted guides or watching videos from Youtubers. However, all pose key flaws that can be solved by my AI. I will evaluate a few of them below.

*Community Made Guides/ Watching Videos:*

This category is a blanket statement for community made content that aims to offer tips and tricks/ advice to improve yourself at TFT. They often offer a good basic level of content for new players, however they all suffer from some shared flaws:

* Can be outdated/ has to be updated:

Any guide risks becoming outdated at the drop of a hat when a new strategy or update is introduced to the game, maybe even risking harming some players’ ability to play the game if they read outdated information.

* Can be low quality/ incorrect:

Many guides can suffer from being incorrect or of low quality, whether due to malicious intent or not. The writer of the guide has to be experienced and willing to spend vast quantities of time creating a quality and accurate guide. If they wilfully make a mistake or not, any errors that are present in their work can harm the thousands of players who may choose to read it.

Need for Computational Method.