

# **I Built a Trading Bot with ChatGPT**

## **TRADING MASTER**

GPT Trader is a trading bot I built with chat GPT and I want to show you how to use it for live trading. At the end of this video, I invested two thousand dollars. Will I make money or lose money? Find out at the end! To improve predictions on popular website Kaggle, we can use XG Boost. Let's take the code that Chat GPT gave us and paste it in a code window to see what happens. We have to install Tensorflow but the data isn't legit so let's ask Chat GPT for a better data source. Suraj suggests signing up for Alpaca to get real-time data from the web today of whatever stock we want. We'll use the Scikit Learn library with Keras on top to train a very simple statistical machine learning model on the data, but that's not going to be enough. To get better results, we need to go back to our code and modify the stock prediction code. We recently signed up for Alpaca and got our API key for the paper API, which means we're not trading with real money yet. So, we've gone back to the code and replaced that. Now we have a Python script that's pulling real data from the web. PPO is a way to teach a computer to make decisions like a human. We're taking this super Advanced technique, Markov Decision Process, to frame this process in a way that it's mathematically possible to define a policy. This means our agent, which is an AI neural network using Proximal Policy Optimization, will act according to the financial market environment. Once it's trained, all the training data will be displayed in a back test. A Cron job is a scheduled task that runs automatically at specified intervals on Linux or Unix based systems, perfect for what we wanted. With Python code, this single function can make a trade programmatically given the secret and public key. I'm going to deploy this with my white labeled Firebase starter package on my GitHub, called gbt Trader, which comes with Firebase and everything integrated. We're going to deploy it to Virtual with terminal right now. I have deposited money into my Live account but I'm still waiting on that deposit. Once the deposit is complete, I'm going to let the bot make a trade and come back in 24 hours to see how much money it has made.