

Progress this week

Progress is coming well! I wrote up my project proposal this week and spent a while thinking about the potential routes I will take. I came up with a few potential plans that will hopefully work well.

Plan for coming week

The project proposal lists numerous avenues in which I can incorporate machine learning into scheduling and CPU governance. However, I really do need to read more into some background of scheduling. As I mention in the proposal, multiprocessor scheduling is an entirely different beast compared to uniprocessor scheduling. There are also so many different types of machine learning algorithms that I will try take a look into. I also want to learn more about the current scope of scheduling algorithms, and perhaps figure out why multilevel feedback queues are so popular in modern operating systems (and why Linux seems to diverge with the Completely Fair Scheduler in 2.6.4 and how the Brain F*** Scheduler manages to get even better performance). Lots of reading! I have many articles and references already lined up, which will take some time to digest.

Problems

No problems so far.

Long term plan: still OK?

Hopefully so!