

### Major Changes:

Because of existing infrastructure in the lab and cost of the research, the machine learning server in this research will be a local server instead of a cloud service for the next two months. If possible, the finished setup on local server will be ported to a cloud server.

### Accomplished So Far:

I have successfully queried data according to timeline from Amazon S3 storage to local machine. And I have tested a primitive time estimation model of a convolutional neural network algorithm.

### Meeting the Milestone:

I have met the project milestone of these two weeks.

### Surprises:

The time estimation requires more parameters than expected. Also, the variance is relatively big considering the machine learning algorithm is not the only algorithm running on the machine.

### Revision to 15-400 Milestone:

An extra two-weeks will be dedicated to researching a more robust time estimation model that will use heuristic data into consideration and include more parameters.

### Resources needed:

None