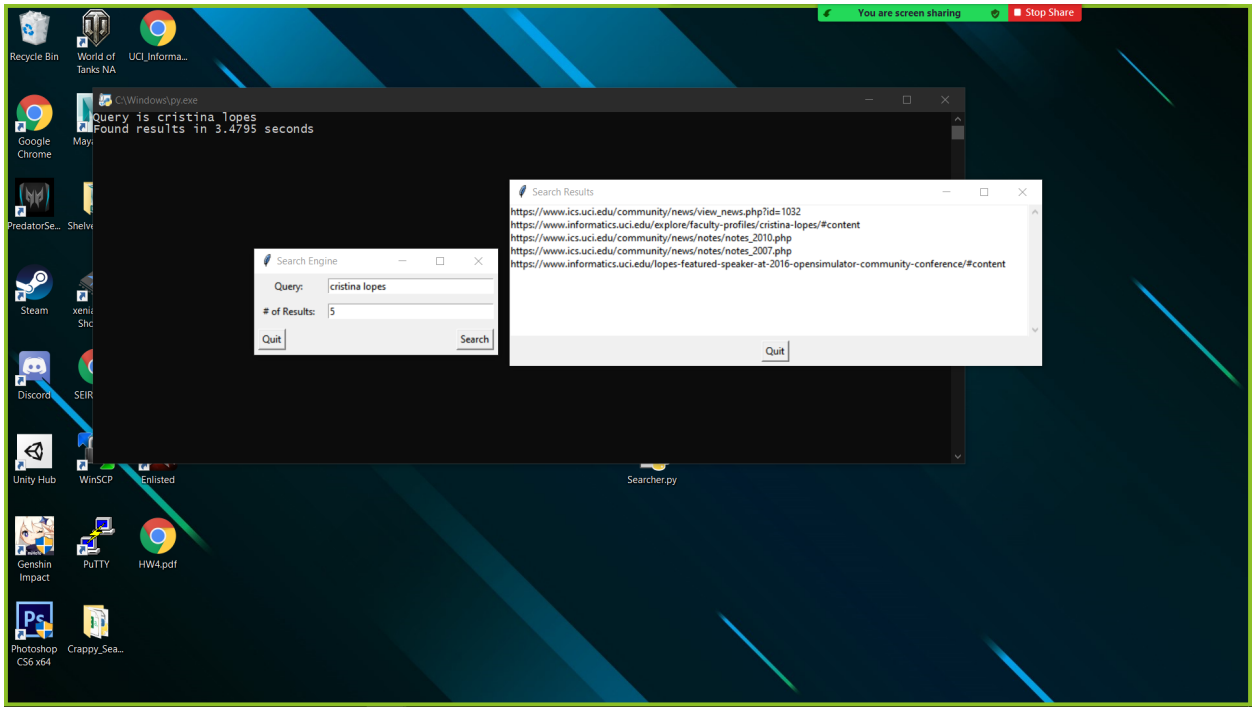
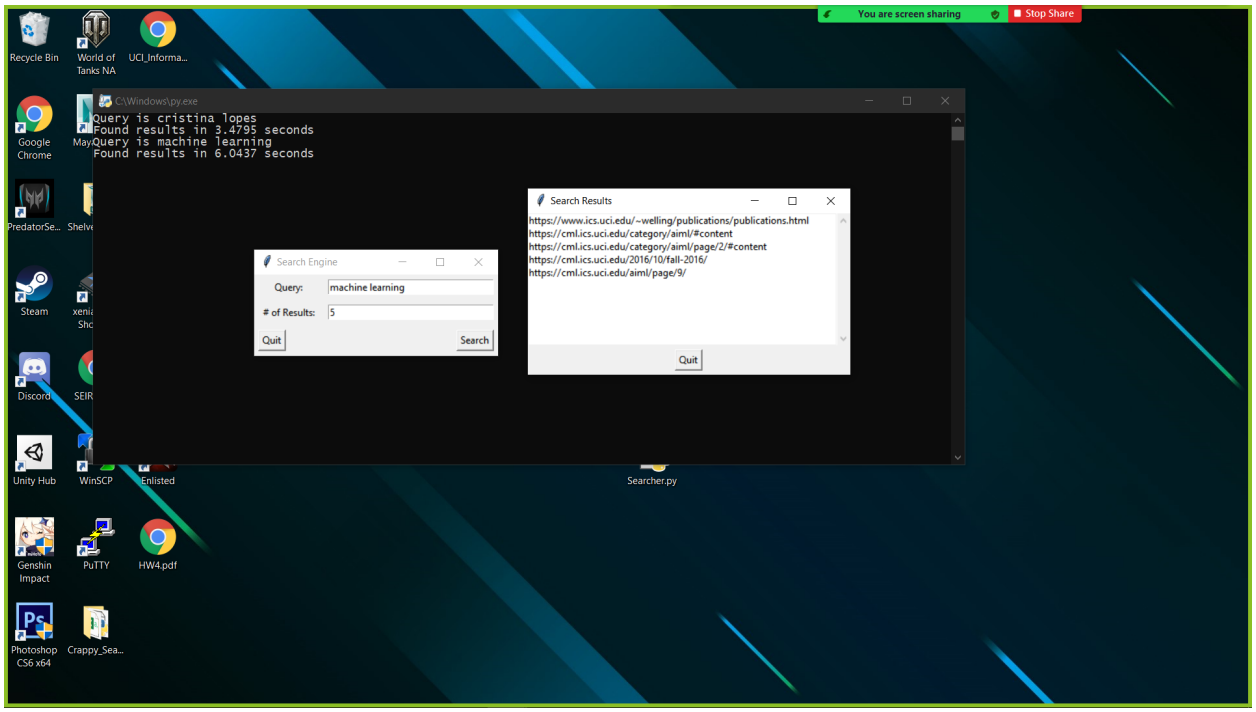
Search result times during Milestone 2

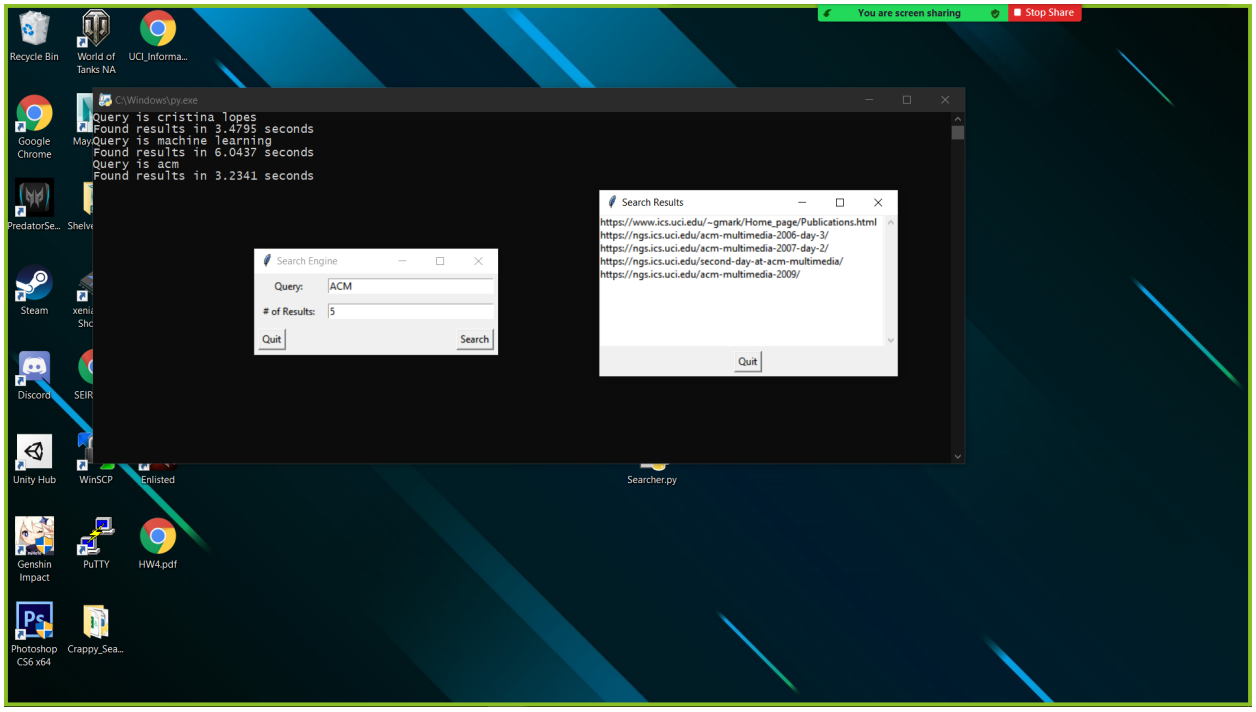
Search Query: cristina lopes



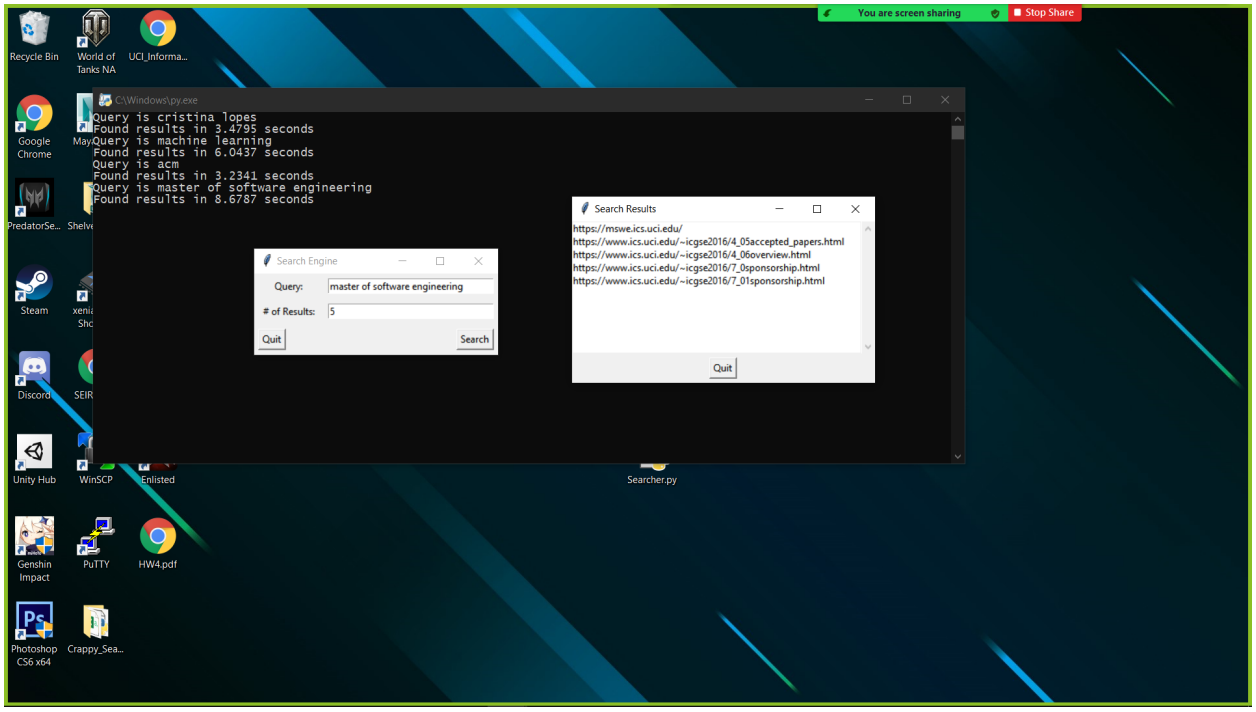
Search Query: machine learning



Search Query: ACM

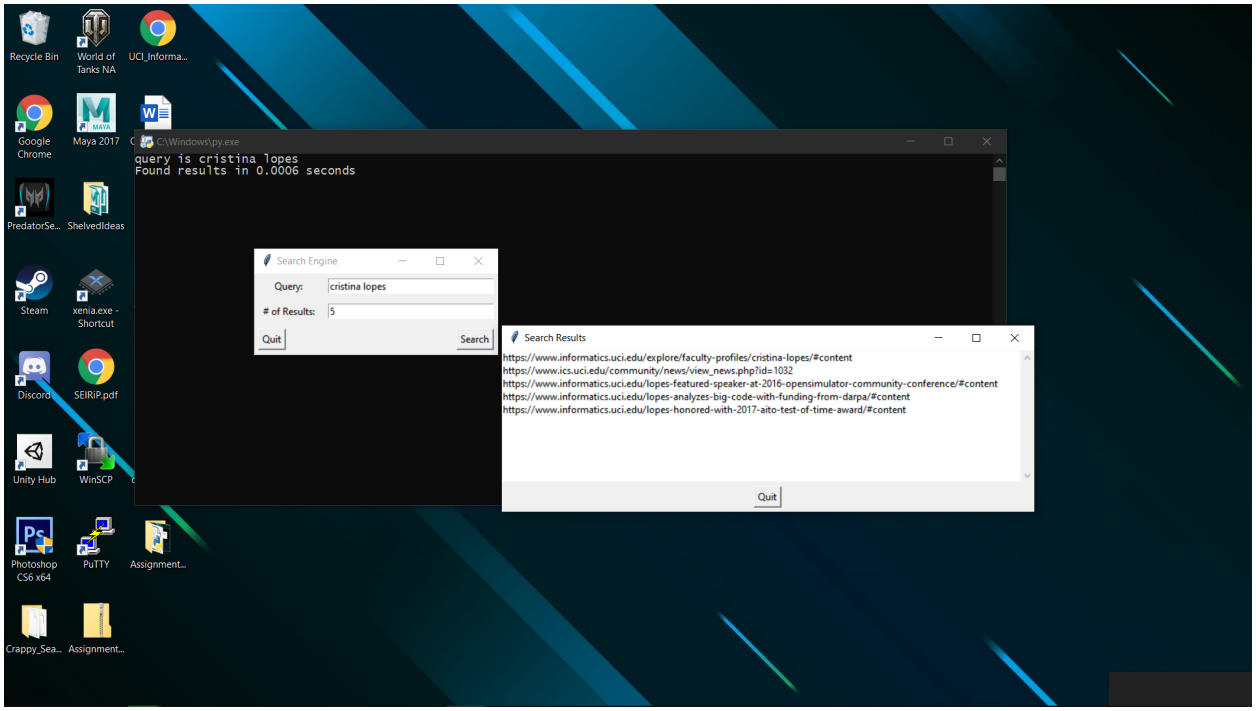


Search Query: master of software engineering

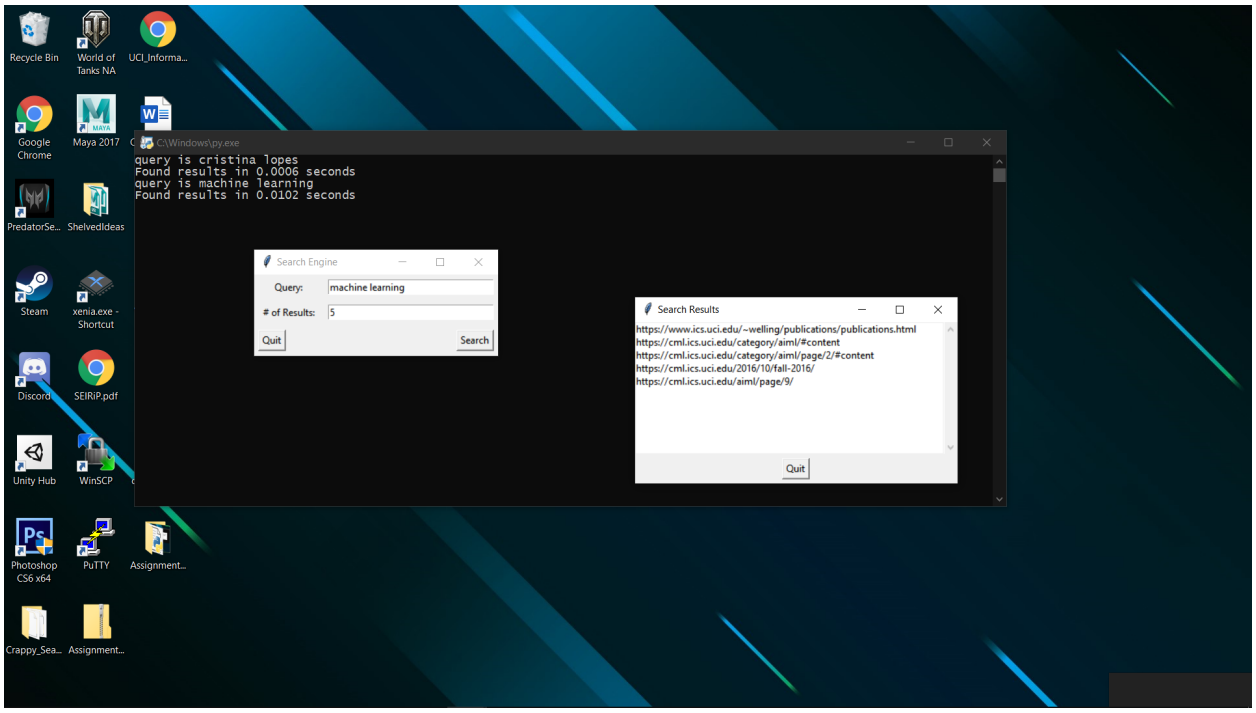


Search result times during Milestone 3

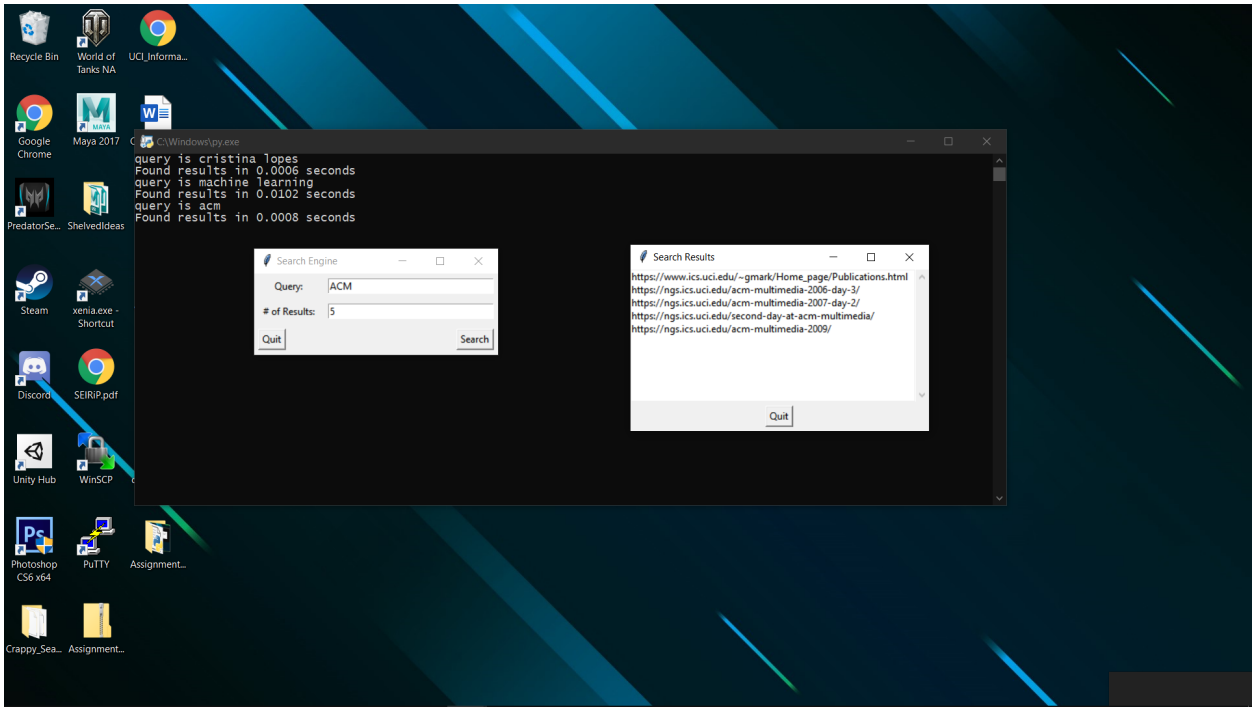
Search Query: cristina lopes



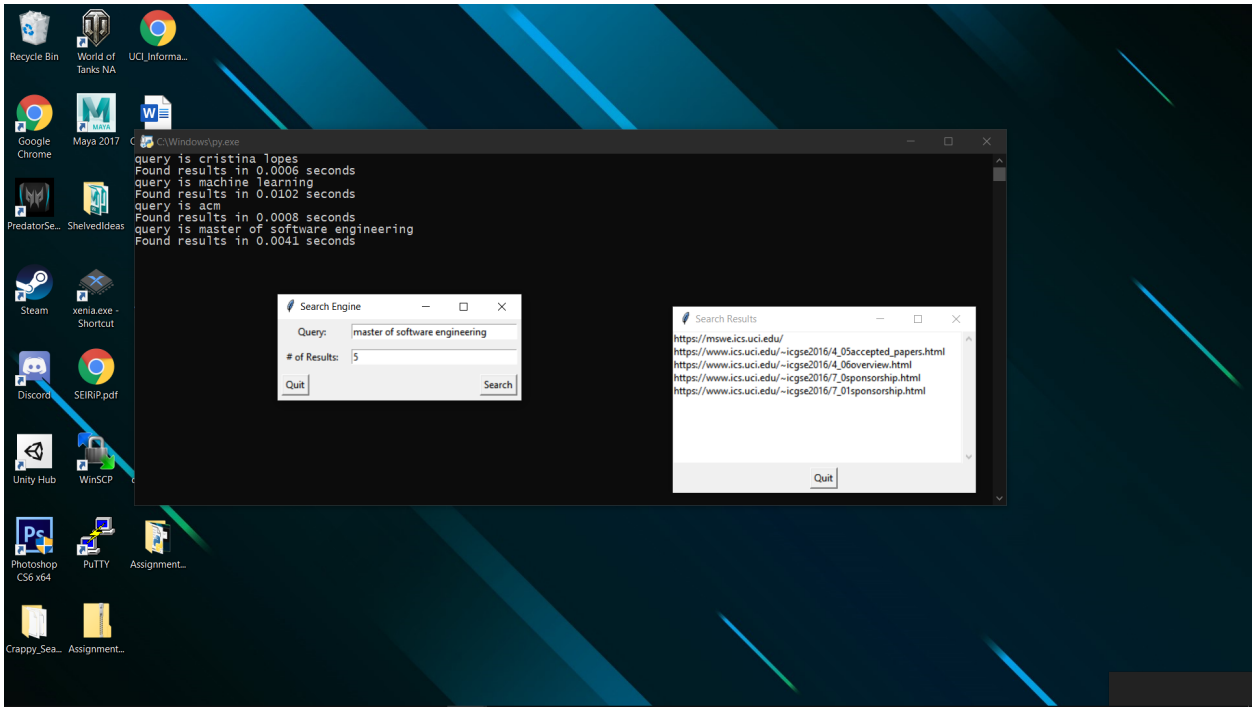
Search Query: Machine Learning



Search Query: ACM



Search Query: master of software engineering



What changed between M2 and M3…

For milestone 2, we only implemented a basic search engine with tf-idf heuristics. While our inverted index was split into parts, we misunderstood how to create an index of indexes and implemented the wrong thing. And we also didn't merge our partial indexes yet either. Because of this, our search engine would have to open and load the entire partial index into memory before searching for the query's postings. This is what took the bulk of our runtime.

For milestone 3, we fixed these problems. We rewatched the video on creating the index of indexes and redid our implementation. We also created a merging program to merge our partial inverted indexes. After these fixes, our search engine consistently ran much faster.