CS 340 Reflection

This course was focused on creating a very simple data driven application from front to back. We built a database using the NoSQL database program MongoDB, and linked it Jupyter Notebook using the PyMongo module. We then created our own CRUD module using PyMongo and Python, and implemented it in Jupyter Notebook. Lastly, we used Dash framework and JupyterDash to create a simple UI that displayed information retrieved from the database. We also practiced writing effective README files for more complex programs.

This course was a big exercise in learning and implementing programming tools. Before this course started, I had no experience with Mongo, PyMongo, Jupyter or Dash, and very little experience using Linux. So I spent a lot of time this term digging through API documentation and manuals. I really enjoyed working with Linux, Mongo and Python, but I had some troubles with Dash, especially trying to implement the JupyterDash library. While I still feel like I have a lot to learn about Dash framework and MongoDB, I got a really good foundation in the principles of creating a program over the full stack.