Extended Kalman Filters

Meets Specifications

You did a great job on implementing the Extended Kalman Filter algorithm in C++! Your code is structured well, builds without any problems and meets all of the required RMSE values! I have left some remarks in the code review on how you could further improve your code in some areas. But now: On to the next project!

Compiling

Code must compile without errors with `cmake` and `make`. **Given that we've made CMakeLists.txt as general as possible, it's recommended that you do not change it unless you can guarantee that your changes will still compile on any platform.**
Your project builds without problems!

Accuracy

Your algorithm will be run against Dataset 1 in the simulator which is the same as "data/obj_pose-laser-radar-synthetic-input.txt" in the repository. We'll collect the positions that your algorithm outputs and compare them to ground truth data. Your px, py, vx, and vy RMSE should be less than or equal to the values [.11, .11, 0.52, 0.52].
When running your filter on the included dataset, I get the following RMSE values which are well within the requirements! Great work!