

Alpha Presentation United Airlines Training Forecast Model

The Capstone Experience

Team United Airlines Training

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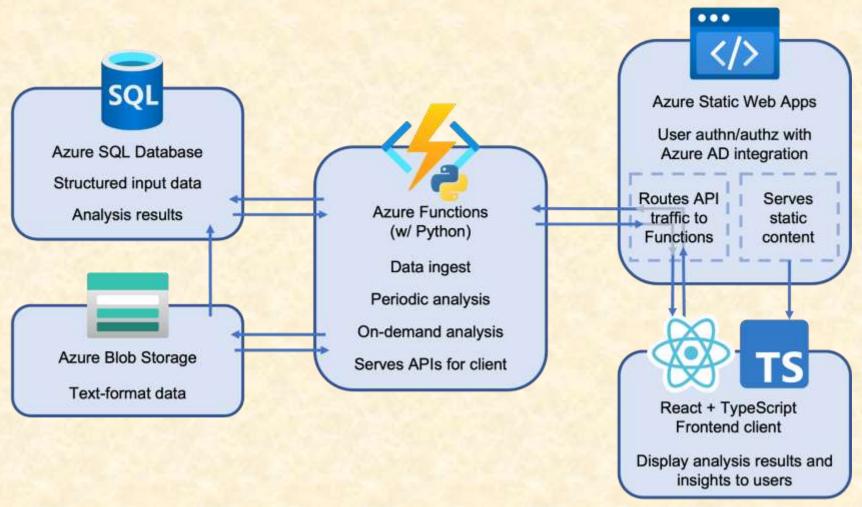


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Project Overview

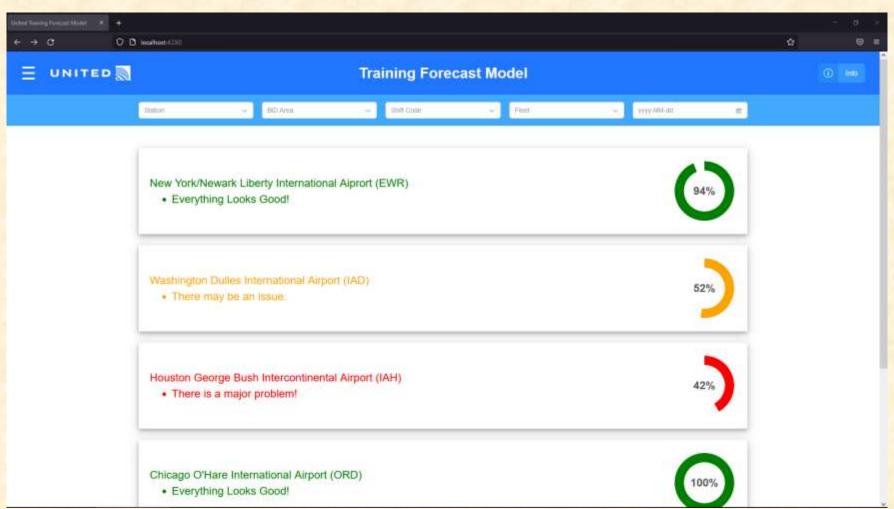
- The project analyzes the risk of becoming understaffed on airworthy technicians at various United Airline hubs.
- Each station has detailed analysis, providing information at a deep granularity, allowing specifications by day, shift, technician type and plane type.
- There is also a graphical forecast page to look over time in a more visual way.

System Architecture



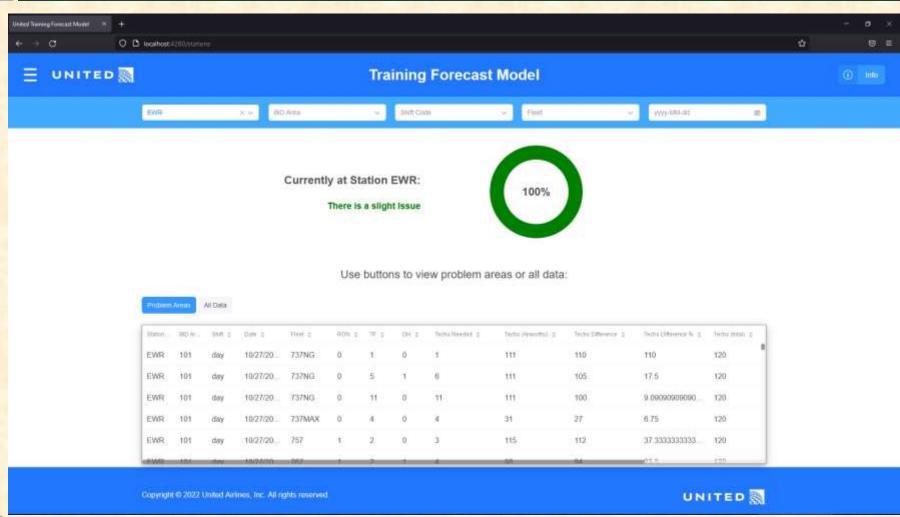


Forecast Dashboard

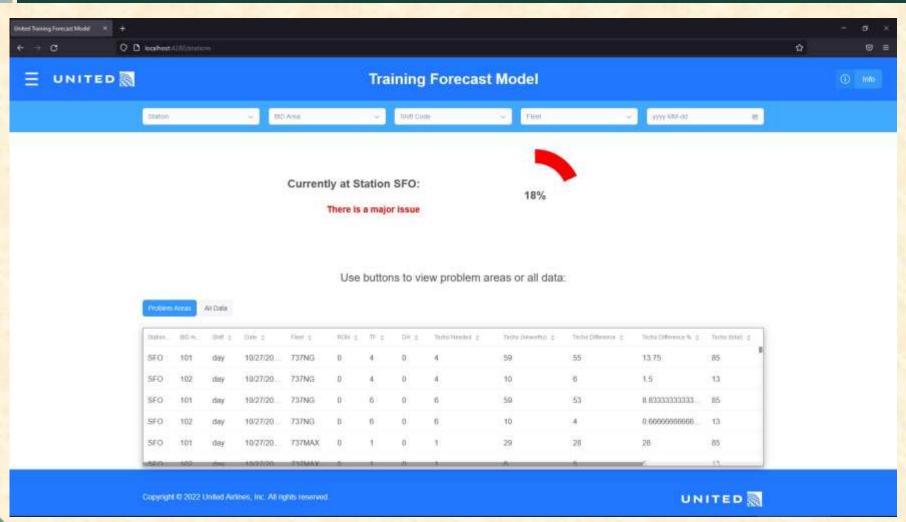




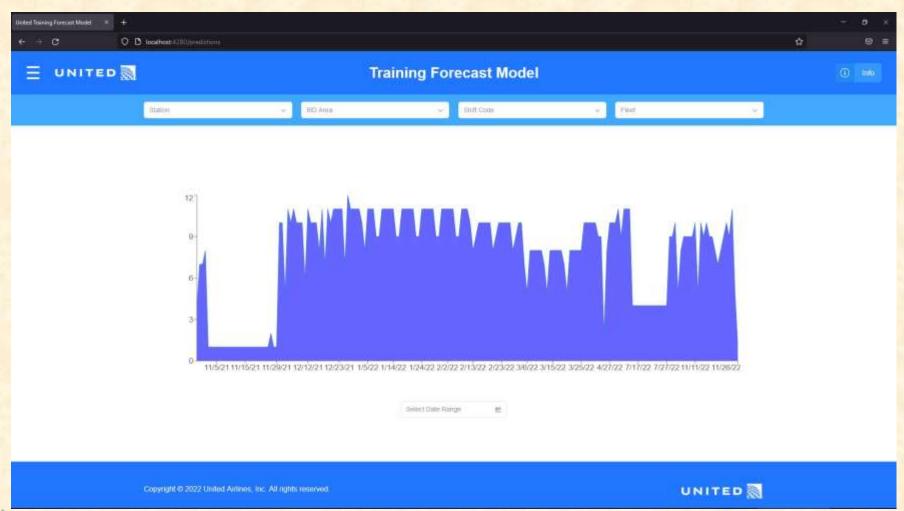
Stations Page - Good



Stations Page - Bad



Predictions Page





What's left to do?

- Machine Learning needs to become more robust and complete across additional areas
- The filters on each page need to become implemented with what is ultimately displayed
- The graph on the predictions page needs additional refinements in filtering and appearance
- Add page to help with data ingest flow when client has additional data

Questions?

