ARCS
AUTONOMY RESEARCH CENTER FOR **STEAHM**

EVAA Operator Design

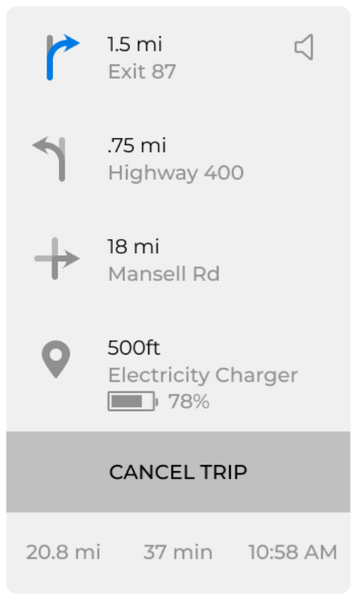
Real-Time Geofencing Alerts

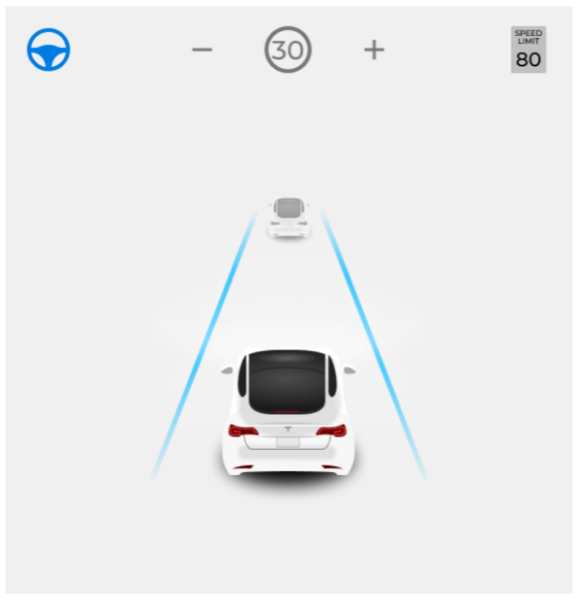
Get **real-time alerts** if your flight is approaching or intersecting regulated or restricted airspace.

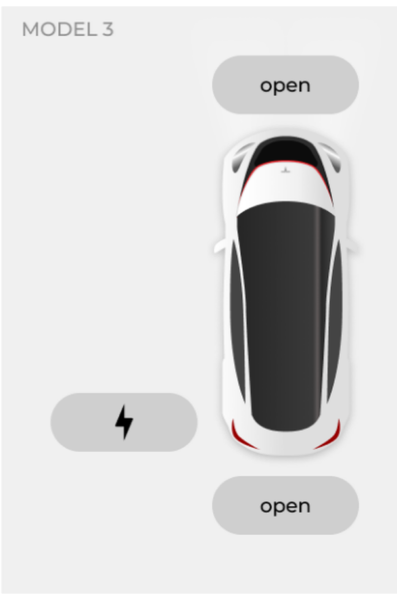
AIRMAP

Research Objective

How might we communicate complex AI systems into salient information a human can understand in real-time when it comes to autonomous payload delivery? Visual communication methods are important to NASA because these can be valuable in the testing, observation, and evaluation of the EVAA framework as well as the potential to improve the overall success of the program.

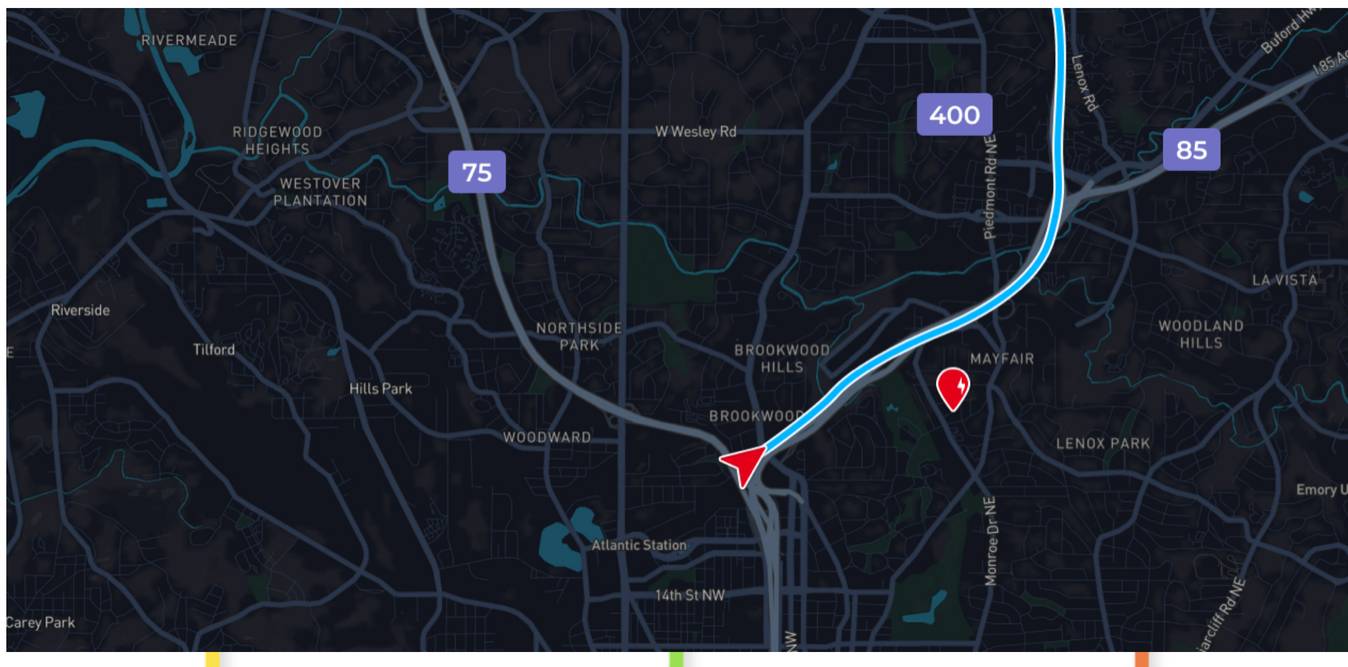


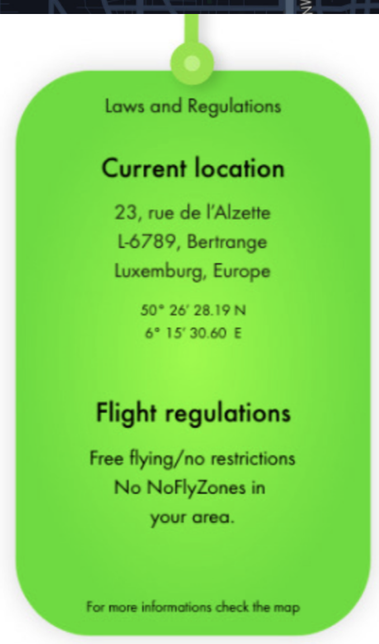


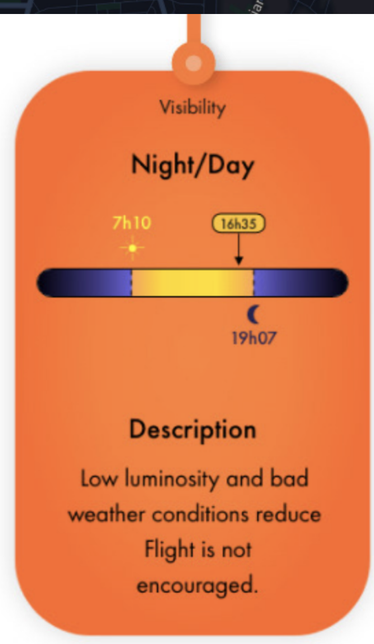


Research Approach

- Study the needs and pain points of the current display
- Design and prototype visual systems that possibly explain AI for mobile devices/ symbologies/ modalities for interaction
- Evaluation of the interfaces
- Scenario-based analysis/cognitive walkthrough at CSUN
- Experiments (simulation flight scenarios on Mark's computer) at Armstrong







Research Team

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