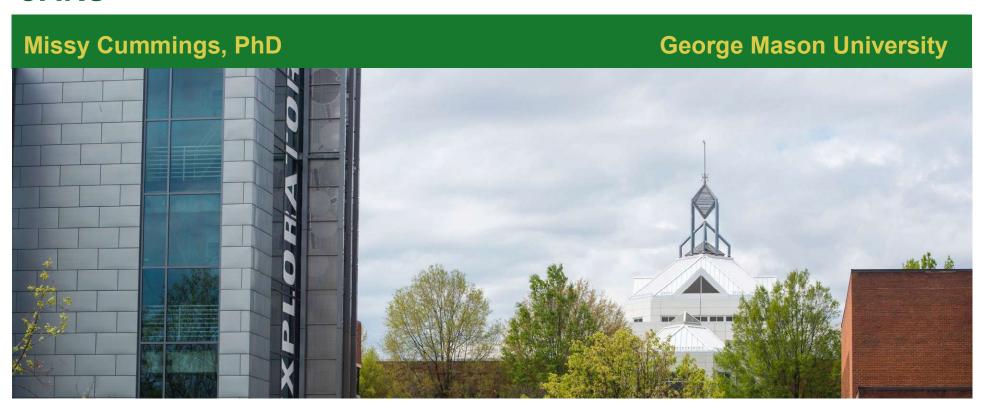
### Missy Cummings George Mason University

# DEPLOYING AI: LESSONS LEARNED FROM SELF-DRIVING CARS



# 5 lessons learned for deployments of any kind of algorithmic decision maker

- Human errors in operation get replaced with human errors in coding
- Failure modes can be surprising
- Probabilistic estimates do not approximate judgment under uncertainty
- Maintaining AI is just as important as creating AI
- Al should be implemented with an understanding of system-level implications

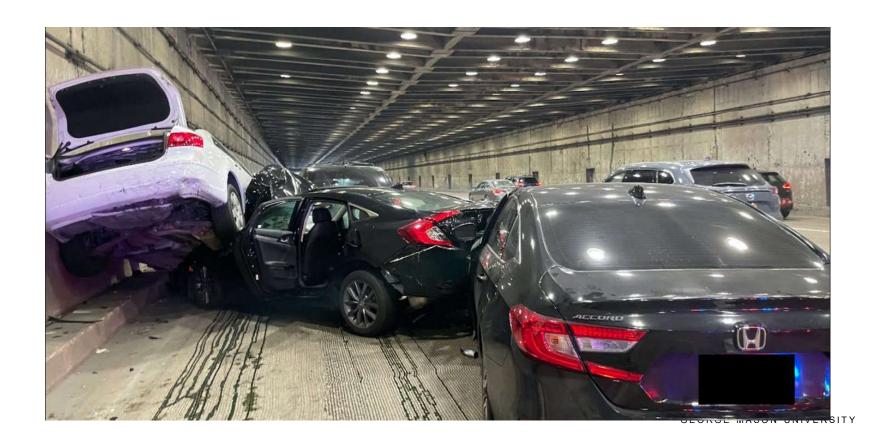
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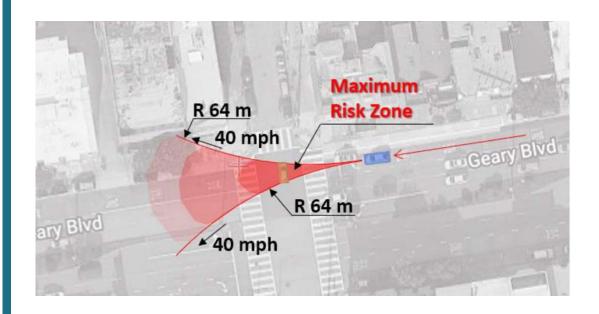


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### Failure modes can be surprising

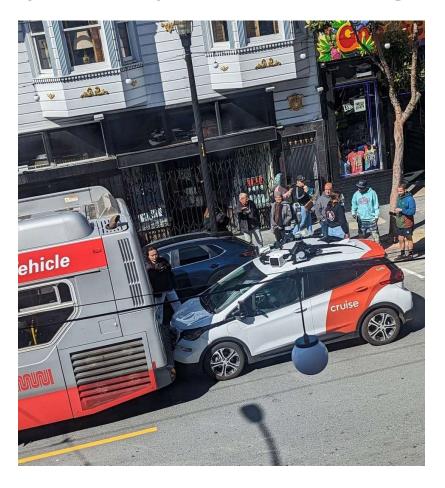


# Probabilistic estimates do not approximate judgment under uncertainty



"The Cruise AV had to decide between two different risk scenarios and chose the one with the least potential for a serious collision."

### Maintaining AI is just as important as creating AI



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Al should be implemented with an understanding of system-

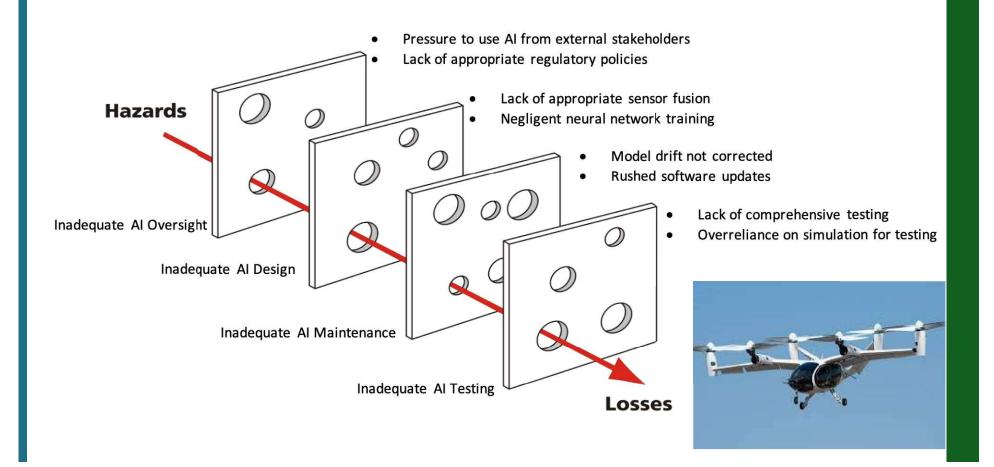
level implications





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#### **AI & Hazard Analysis**



## Questions?