

# **Big Data in Motorsports**

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# About Me

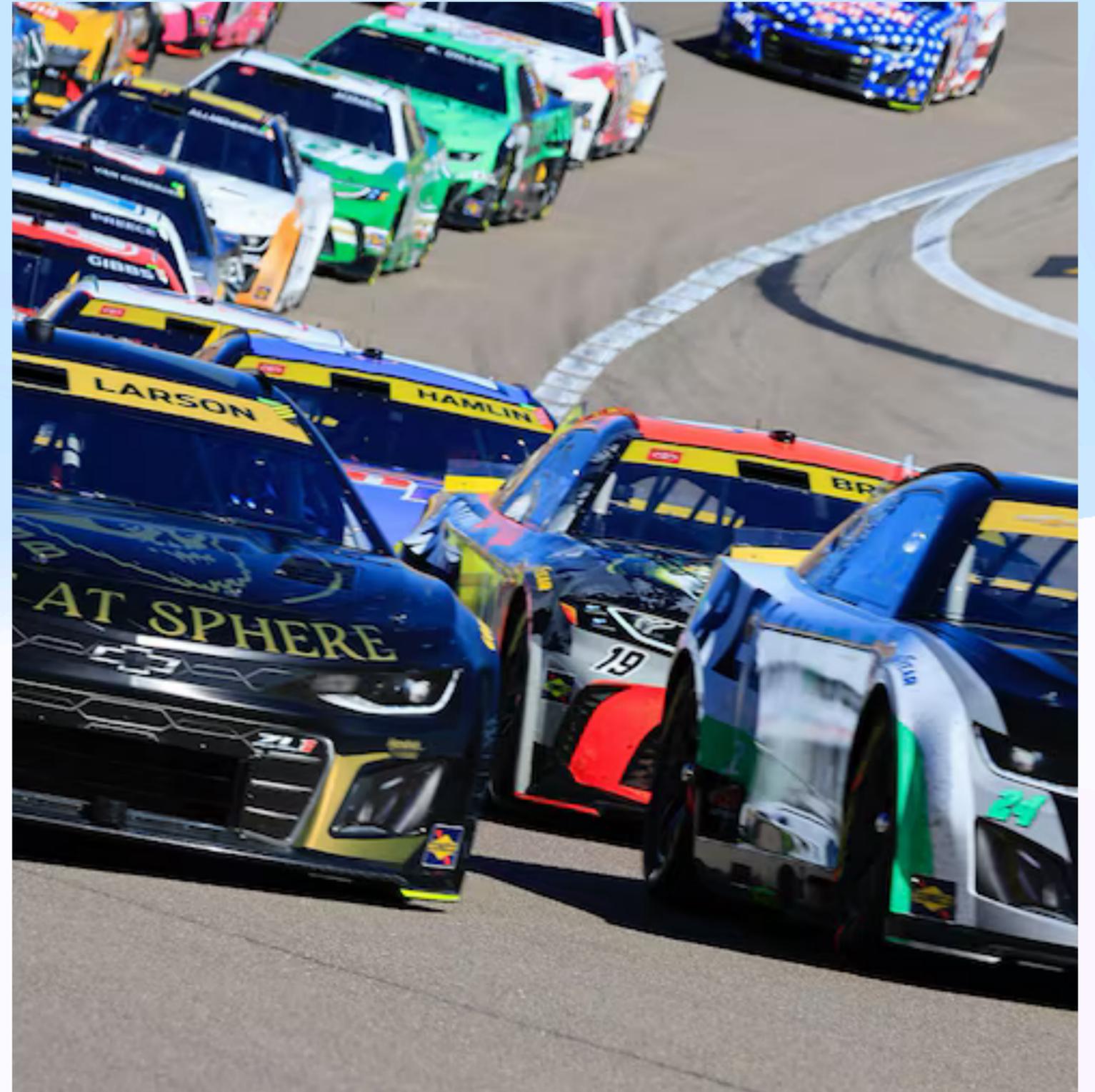
## Background

- BS in Mathematical Sciences
- MS in Computer Engineering
- PhD focus Embedded Systems, IoT, Sustainability
- Motorola -> General Motors



# GM Motorsports

- Competition Tools
  - 3 Apps
  - Made for racing teams
  - Support NASCAR, IndyCar, F1
- Collaboration with Data Science and Data Engineering



# Common Problems to Solve

- Commonizing Data/Truth Source
  - Multiple teams working on the data
  - Different tool stack (Kafka, Event Hubs, Cosmos, Databricks, MongoDB...)
- Changing demands
  - Receiving incorrect data
  - Sanctioning bodies change the data spec
  - Scaling (Redis, Track Map)

# Questions?

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