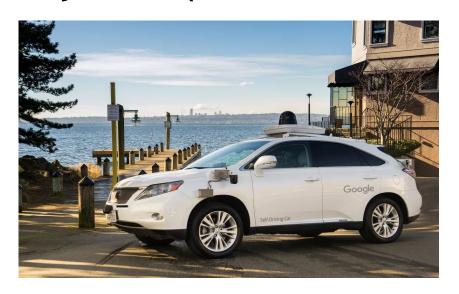# AV Operations

An Operator's Perspective
Renee Manneh

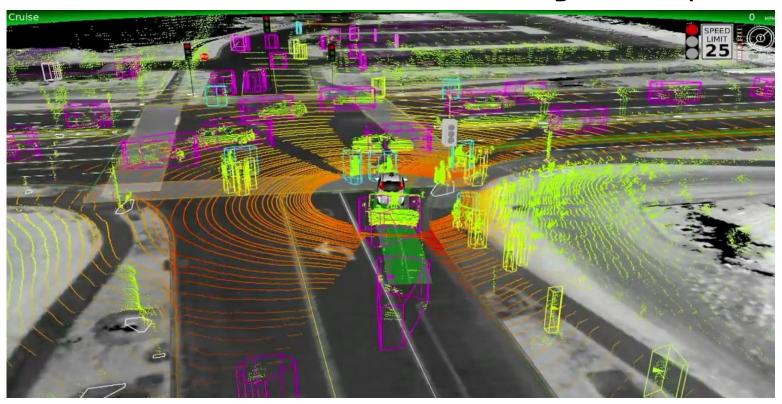# My AV Experience

Who are AV Operators?

Expectation VS. Reality (Driver Perspective)

L4 & L5

L3 (& ~L4)

How the SDC sees the world (Passenger Perspective)

Typical Day in Testing Operations

[Contingent on the company's needs for the day]

- Debrief in the morning to discuss any changes to the software that may create new behaviors
- Sync with Operations Leads to go over testing mission (whether mapping, testing latest software, or testing new software that hasn't been released to the rest of the fleet)
- Conduct safety checks of the vehicle & load the latest map version
- Collect data
- Uploading data
- Debrief with the operations team on the day's findings
- (If necessary) Escalate any specific issues to the respective eng teams

Available Roles (some of many that are relevant to AV)

- Data Annotation
- Engineering (Motion Planning, Perception, Controls, Robotics, etc.)
- Mapping Operations
- Structured Testing
- Simulation
- Teleoperations
- Testing Operations
- Triage

Common Questions an Operator is Asked

- Does the vehicle really drive itself?
- When can I buy one? / When will they be available?
- How much do they (or will they) cost?
- If the vehicle must sacrifice the passenger in the vehicle or outside, which option will it choose?
  - Approaching a train, elderly, on a bridge, etc.

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