Pony.ai

Autonomous Mobility Everywhere

CPUC Workshop

October 22, 2019

Our ambitious vision

Autonomous mobility everywhere…

…by building the **safest** and **most reliable** self-driving vehicle technology…

…and delivering at a **global scale**

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Testing operations across multiple geographies

FREMONT

Fremont coverage ~60 km²

R&D hub with public road testing since Jun 2017

BEIJING

Beijing coverage ~50 km²

Awarded T3 permit for AV public road tests in Beijing

GUANGZHOU

Guangzhou coverage ~100 km²

Robotaxi pilot launched Q4 2018

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Led by an experienced executive team

James Peng
Co-founder & CEO

Previously Chief Architect at Baidu, leading AV, ads, infrastructure, big data, etc.

Google Software Engineer for 7 years; awarded Google Founders' Award

PhD from Stanford, B.S. from Tsinghua University

Tiancheng Lou
Co-founder & CTO

TopCoder champion & medalist for 10 consecutive years; 2x Google Code Jam champion

3+ years at Google X Self-Driving Car Project

PhD and B.S. from Tsinghua University

Andrew Yao
Chief Advisor

Recipient of Turing Award - "Nobel Prize of Computing"

Dean of Institute for Interdisciplinary Information Sciences (IIIT) at Tsinghua

Member of US National Academy of Science and Chinese Academy of Sciences

PhDs from Harvard and UIUC

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Building tech that enables passenger vehicle and trucks

1 Robo-taxi (Mobility-as-a-Service)

- Serving urban operation areas globally (with initial focus in China & US)
- Independent and joint deployment with key partners

2 Freight delivery (Trucking)

- L4 technology applied to trucks
- Use-case starting with long-haul
- Partnerships with truck OEMs and logistics providers

pony.ai core autonomous driving technology

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Targeted Operational Design Domain (ODD) for AV deployment

Scope

- Pilot region(s) will be geofenced
- Set of fixed location points to serve as pick-up and drop-off
- Closed rider group (i.e. pre-registered rider base)

Passenger experience

- Ride-hailing smartphone application
- Passenger will validate the ride through the system
- Safety operators present in each vehicle

Accessibility

- Topic of priority with our partners
- Currently scoping and planning how we can incorporate more accessible vehicles in the future

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THANK YOU

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