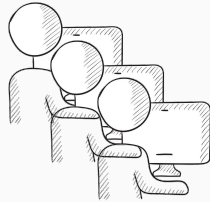
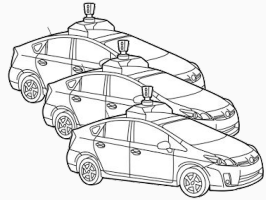


Rescale.AI

Synthetic Reality for Autonomous Systems

Standard process for AV software development



1

Vehicle Deployment & Data Collection

- Data is collected over numerous car deployments
- Significant cost of hardware and safety drivers
- "Interesting" scenarios are rare, most of driving is uneventful

2

Data Labeling

- Data is sent to third-party for manual labeling
- Additional time and cost

3

Disengagement and Error Analysis

- Data is analyzed for vehicle disengagements and perception errors
- Many "interesting" scenarios are never exhibited and coverage remains patchy

4

Software Revision

- AV software is revised and pushed to vehicles for testing
- Releases cannot be certified for driving scenarios that were never encountered

cost center

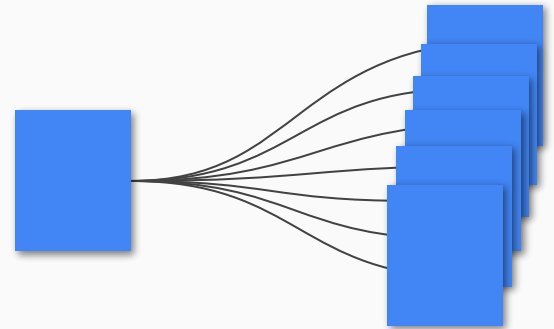
Mockup Prototype

We are proposing a solution that takes full-stack inputs with true object labels and intelligently reshuffles and expands them into a much larger data set using Augmented Reality and AI

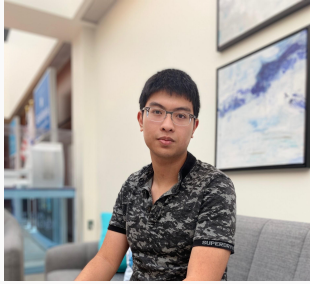


Value

- Reducing the cost for data collection and data labelling
- Scaling the data generation by 10x
- Eliminating the need for hardware-in-the-loop simulation
- Generating interesting/edge case scenarios
- Serving AV companies with small fleet size



Our Team at **Stanford University**



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Daniel is a 5th year Ph.D. in the Management Science & Engineering, minoring in CS. His focus is work on AI/UX applications in decision making. Daniel has a love for coding and a passion for skiing. He is a Vice-President of the 20/21 Stanford Ski Team.

Mac is an B.S./M.S in Computer Science and Physics. He has built several products in the area of health technology and has co-founded a water leak detection company. His recent works are in the application of AI to education. Mac enjoys playing tennis, and hiking.

Mike is a class of 2021 MBA candidate. He has a B.S. in Systems Engineering and M.S. in Mechanical Engineering. He spent 8 years in the U.S. Navy as a submarine officer and led several U.S. Navy R&D unmanned system projects. Mike is a double-bogey golfer and recently became a certified scuba diver.

Erfan is B.S in CS with AI specialization and a minor in Energy Resources Engineering. He has done multiple ML and CV research projects for climate change and sustainability purposes. Erfan is the founder of Kurdish Association for Justice and is a big fan of camping and VFX design.