Kanaad Parvate

EDUCATION	
University of California Berkeley	
 M.S. Electrical Engineering Computer Science Advised by Prof. Alexandre Bayen 	2019-2020
 B.S. Electrical Engineering Computer Science GPA: 3.70 Receipient of 2018 Arthur M. Hopkin Award for Excellence in Electrica 	2015-2019 Il Engineering
INDUSTRY EXPERIENCE —	
Waymo Software Engineer Mountain View, CA	July 2020 - Present
 Software Engineer on Behavior Prediction team Building and deploying data driven and performant motion planning mode 	
Lyft Level 5 Autonomy (Perception) Intern Palo Alto, CA • Worked on LiDAR pipeline for 3D point-cloud clustering • Fused deep learning and and conventional geometric techniques to impro	Summer 2019
 Developed comprehensive metrics for evaluating clustering accuracy aga 	_
 Tesla Autopilot Machine Learning Intern Palo Alto, CA Worked under Andrej Karpathy developing ML models for prediction of le Deployed experimental model in firmware code to facilitate testing and experimental for preparations – worked on validation of it 	<i>Spring 2019</i> ad vehicle velocity valuation
 Lyft Level 5 Software Engineering Intern Palo Alto, CA Part of first intern class at Lyft's self driving initiative working on onboar Worked on realtime visualizations, developing onboard status and diagno 	<i>Summer 2018</i> rd platform/tooling team
 Quantcast Software Engineering Intern San Francisco, CA Used AWS services to build system for processing stream of real-time adv Worked within a large, distributed, backend system handling large volum 	-
ACADEMIC EXPERIENCE	
Learning Traffic Lab Undergraduate Researcher	2016 - present
Applying deep reinforcement learning to multi-agent autonomous vehicle	e systems
 Analyzing applications to traffic stability, interesection throughput, and Lead development of Flow, a framework for facilitating control and deep autonomous vehicles by leveraging an open source traffic simulator, SUM "Flow: Architecture and Benchmarking for Reinforcement Learning A. Kreidieh, K. Parvate, E. Vinitsky, A. Bayen, arXiv preprint arXiv:17 	reinforcement learning in O with deep RL libraries in Traffic Control", C. Wu,
 Explored deep multiagent RL techniques to reduce congestion in bottlene "Lagrangian Control through Deep-RL: Applications to Bottleneck De K. Parvate, A. Kreidieh, C. Wu, Z. Hu, A. Bayen, ITSC, 2018 	ecks on highways
 EE 126 Probability and Stochastic Processes: Undergraduate Student In Held weekly discussion sections and office hours for an advanced upper- Graded homeworks, designed labs for students, ran office hours, wrote test 	division class

— SKILLS-

Languages: C++, Python, MATLAB, Java

Mathematics / Data Science: NumPy, SciPy, Pandas, PyTorch, TensorFlow