

Work

Senior Member of Research Staff *Voleon*, Berkeley, Jan 2023 - Present
Supervisor: Sahand Negahban

Member of Research Staff *Voleon*, Berkeley, Summer 2020 - Spring 2022
Supervisor: Prem Gopalan, Deepak Rajan, Marin Wainwright

Research Intern, *Genentech*, South San Francisco, Summer 2019
Supervisor: Dr. Thomas Bengtsson and Dr. Yury Petrov
Created synthetic CT scans with malignant tumours for classification using Cycle-GANs

Education

UC Berkeley
Ph.D., Electrical Engineering and Computer Science, 2022.
Advised by: Prof. Laurent El Ghaoui
M.Sc., Electrical Engineering and Computer Science, 2021.
B.A., Applied Mathematics, B.Sc., Mechanical Engineering, 2017.

Publications

Naive Feature Selection: A Nearly Tight Convex Relaxation for Sparse Naive Bayes.
Mathematics of Operations Research 2023.
Armin Askari, Alex d'Aspremont, Laurent El Ghaoui
Approximation Bounds for Sparse Programs. SIMODS 2022.
Armin Askari, Alex d'Aspremont, Laurent El Ghaoui
FANOK: Knockoffs in Linear Time. SIMODS 2021.
Armin Askari*, Quentin Rebjock*, Alex d'Aspremont, Laurent El Ghaoui
Implicit Deep Learning. SIMODS 2021.
Laurent El Ghaoui, Fangda Gu, Bertrand Travacca, **Armin Askari**
Naive Feature Selection: Sparsity in Naive Bayes. AISTATS 2020.
Armin Askari, Alex d'Aspremont, Laurent El Ghaoui
Linearly convergent Frank-Wolfe with backtracking line-search. AISTATS 2020.
Fabian Pedregosa, **Armin Askari**, Geoffrey Negiar, Martin Jaggi
Fenchel Lifted Networks: A Lagrange Relaxation of Neural Network Training. AISTATS 2020.
Fangda Gu*, **Armin Askari***, Laurent El Ghaoui
Lifted Neural Networks for Weight Initialization. NIPS Opt Workshop 2017.
Geoffrey Negiar*, **Armin Askari***, Fabian Pedregosa, Laurent El Ghaoui
Effect of Adaptive and Cooperative Adaptive Cruise Control on Throughput of Signalized Arterials. IV 2017.
Armin Askari, Daniel A. Farias, Alex A. Kurzhanskiy, Pravin Varaiya

Preprints

Augmenting interpretable models with llms during training . arXiv 2023.
Chandan Singh, **Armin Askari**, Rich Caruana, Jianfeng Gao
Kernel-based Outlier Detection using the Inverse Christoffel Function. arXiv 2018.
Armin Askari, Forest Yang, Laurent El Ghaoui
Frank-Wolfe Algorithm for Exemplar Selection. arXiv 2018.
Gary Cheng, **Armin Askari**, Laurent El Ghaoui, Kannan Ramchandran
Lifted Neural Networks. arXiv 2018.
Armin Askari, Geoffrey Negiar, Rajiv Sambharya, Laurent El Ghaoui

Teaching

Graduate Student Instructor
EE 227A/B/C—Optimization Models/Robust Optimization/ Optimization Algorithms.
Instructors: Laurent El Ghaoui & Martin Wainwright UC Berkeley
Fall 2019, 2020, 2021 Spring 2017, 2019, 2020, 2021