Ramtin Keramati

EDUCATION

Stanford University, Stanford, CA, September 2015-Present   GPA:3.97/4.00
Ph.D., Computational and Mathematical Engineering (ICME), Minor Computer Science (CS)
Adviser, **Emma Brunskill**, AI for Human Impact Lab
Research Interest, Exploration in Reinforcement Learning, Fairness in Reinforcement Learning

Sharif University of Technology, Tehran, Iran, September 2011-2015   GPA: 19.23/20.00
Bachelor of Science, Mechanical Engineering, *Minor*, Economics

WORK EXPERIENCE

Data Scientist, Intern   **Uber Technologies, Inc.**
Seattle, WA   June 2017-September 2017
Time series forecasting using recurrent neural network and Monte Carlo dropout
Demand modeling using Partially Observable MDP (POMDP)

Data Scientist, Intern   **StitchFix**
San Francisco, CA   June 2016-September 2016
Client segmentation using various machine learning algorithms
Optimized inventory assignment using customer-product efficient bipartite matching

SELECTED PUBLICATIONS

Fast Exploration with Simplified Models and Approximately Optimistic Planning in Model Based
Reinforcement Learning
Ramtin Keramati, Jay Whang, Patrick Cho, Emma Brunskill
Submitted to ICLR 2019

Learning Abstract Models for Long-Horizon Exploration
Evan Zheran Liu, *Ramtin Keramati*, Sudarshan Seshadri, Kelvin Guu, Panupong Pasupat, Emma
Brunskill, Percy Liang
Submitted to ICLR 2019

Strategic Exploration in Object-Oriented Reinforcement Learning (SOORL)
Ramtin Keramati, Jay Whang, Patrick Cho, Emma Brunskill
ICML 2018: Exploration in Reinforcement Learning workshop

Hierarchy-Driven Exploration in Reinforcement Learning
Evan Zheran Liu, *Ramtin Keramati*, Sudarshan Seshadri, Kelvin Guu, Panupong Pasupat, Emma
Brunskill, Percy Liang
ICML 2018: Exploration in Reinforcement Learning workshop

TEACHING EXPERIENCE

Head TA of *Reinforcement Learning (CS234)*, Prof. Emma Brunskill
Head TA of *Deep Learning (CS230)*, **Prof. Andrew Ng, Kian Katanforoosh**
Teaching assistant of *Deep Learning (CS230)*, Prof. Andrew Ng, Kian Katanforoosh
Teaching assistant of *Linear Algebra with Application (CME200)*, Prof. Iaccarino, G.

DISTINCTIONS

Centennial TA Award, Stanford University, 2018
Outstanding Teaching Assistant, Department of Computer Science, Fall and Winter 2017
Stanford ICME Departmental Fellowship, September 2015
Bronze medal of 5th International Olympiad in Astronomy and Astrophysics (IOAA), Poland
Silver medal of group competition at 5th IOAA, Poland

COMPUTER SKILLS

Python, SQL, Tensorflow, PyTorch, C, C++, Matlab