JIAXUAN WANG

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EDUCATION

Ph.D. candidate University of Michigan, Ann Arbor Sep 2017-Present
Computer Science and Engineering
Advisor: Jenna Wiens
GPA: 4.00 / 4.00
Research interests: Time-series analysis; Model interpretability; Transfer/multitask learning; Non convex optimization; Feature selection; Temporal conditional shift; Computer vision; Deep reinforcement learning; Causal inference; Basketball analytics
Computational skills: PyTorch; Jax; Javascript; Matlab; R; Python: C++: Chainer

Bachelors of Science in Engineering, Ann Arbor Sep. 2013 - Dec. 2016
Computer Science major and Mathematics minor
GPA: 3.96 / 4.00
Directed research: Computer vision; Basketball analytics

EMPLOYMENT

Software Engineering Intern, NLP group, Bloomberg L.P. (New York) Jun. 6 - Aug.19 2016
Mentors: Konstantine Arkoudas and Srivas Prasad
Algorithms for natural language parsing in financial chart domain: C++; SVM; PCFG

Research Assistant, Computer vision lab, University of Michigan Oct. 2014 - Jan. 2016
Advisor: Jia Deng
Focus: Human action dataset collection; Amazon Mechanical Turk; Feature extraction; Rotation equivariant network

PUBLICATIONS (* denotes equal contribution)

Relaxed Parameter Sharing: Effectively Modeling Time-Varying Relationships in Clinical Time-Series
Jeeheh Oh*, **Jiaxuan Wang***, Shengpu Tang, Michael Sjoding, Jenna Wiens
In Proceedings of the 4th Machine Learning for Healthcare Conference, 2019

Learning Credible Models
Jiaxuan Wang, Jeeheh Oh, Haozhu Wang, Jenna Wiens
ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2018

The Advantage of Doubling: A Deep Reinforcement Learning Approach to Studying the Double Team
Jiaxuan Wang*, Ian Fox*, Jonathan Skaza, Nick Linck, Satinder Singh, Jenna Wiens
MIT Sloan Sports Analytics Conference, 2018

Learning to Exploit Invariances in Clinical Time-Series Data using Sequence Transformer Networks
Jeeheh Oh, **Jiaxuan Wang**, and Jenna Wiens
In Proceedings of the 4th Machine Learning for Healthcare Conference, 2018

HICO: A Benchmark for Recognizing Human-Object Interactions in Images
Yu-Wei Chao, Zhan Wang, Yugeng He, **Jiaxuan Wang**, Jia Deng
International Conference on Computer Vision (ICCV) 2015