

Jianbo Chen (陈建波)

CONTACT INFORMATION *Phone* : 510-365-1547 *E-mail* : jianbochen@berkeley.edu
Website : <http://www.jianbochen.me/>

EDUCATION **University of California, Berkeley**, California, USA
Ph.D., Statistics, August, 2015–September, 2019
Dissertation : Towards Interpretability and Robustness of Machine Learning Models
Advisor : Michael I. Jordan and Martin J. Wainwright
GPA : 3.99/4.0

The University of Hong Kong, Hong Kong
B.A., Mathematics, September, 2012–June, 2015
CGPA : 4.17/4.3 Major GPA : 4.27/4.3
Honor Class : First Class Honor

University of California, Berkeley, California, USA
Exchange, Mathematics, September–December, 2013
CGPA : 4.0/4.0 Major GPA : 4.0/4.0

WORKING EXPERIENCE **9/19–Present Quantitative Researcher**
Citadel Securities, New York, NY.

5/18–8/18 Quantitative Research Intern
Citadel Securities, Chicago, IL.

12/17–1/18 Research Intern
Ant Financial, Hang Zhou, China.

9/17–12/17 GSI for CS 189/289A Introduction to Machine Learning
UC Berkeley, Berkeley, CA.

5/17–8/17 Research Intern
Microsoft Research, Redmond, WA

TECHNICAL SKILLS

- Extensive experience with Python and TensorFlow.
- Intermediate experience with R.

PUBLICATIONS Jianbo Chen, Michael I. Jordan, and Martin J. Wainwright. HopSkipJumpAttack : A Query-Efficient Decision-Based Attack. In *IEEE Symposium on Security and Privacy (SP)*, 2020 (**20min Talk**)

Jianbo Chen and Michael I. Jordan. LS-Tree : Model Interpretation When the Data Are Linguistic. In *Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI)*, 2020 (**20min Oral**)

Puyudi Yang, Jianbo Chen, Cho-Jui Hsieh, Jane-Ling Wang, and Michael I. Jordan. ML-LOO : Detecting Adversarial Examples with Feature Attribution. In *Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI)*, 2020 (**Spotlight**)

Puyudi Yang*, Jianbo Chen*, Cho-Jui Hsieh, Jane-Ling Wang, and Michael I. Jordan. Greedy Attack and Gumbel Attack : Generating Adversarial Examples for Discrete Data. *Journal of Machine Learning Research (JMLR)*, 21(43) :1–36, 2020

Jianbo Chen, Le Song, Martin J. Wainwright, and Michael I. Jordan. L-Shapley and C-Shapley : Efficient Model Interpretation for Structured Data. In *International Conference on Learning Representations (ICLR)*, 2019

Jianbo Chen, Le Song, Martin J. Wainwright, and Michael I. Jordan. Learning to Explain : An Information-Theoretic Perspective on Model Interpretation. In *Proceedings of the 35th International Conference on Machine Learning (ICML)*, 2018 (**20min Oral**)

Aaditya Ramdas, Jianbo Chen, Martin J. Wainwright, and Michael I. Jordan. DAGGER : A sequential algorithm for FDR control on DAGs. *Biometrika*, 2018

Jianbo Chen, Yelong Shen, Jianfeng Gao, Jingjing Liu, and Xiaodong Liu. Language-Based Image Editing with Recurrent Attentive Models. In *2018 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2018 (**Spotlight**)

Jianbo Chen*, Mitchell Stern*, Martin J Wainwright, and Michael I Jordan. Kernel Feature Selection via Conditional Covariance Minimization. In *Advances in Neural Information Processing Systems (NeurIPS)*, pages 6949–6958, 2017

Aaditya Ramdas, Jianbo Chen, Martin J. Wainwright, and Michael I. Jordan. QuTE : Decentralized Multiple Testing on Sensor Networks with False Discovery Rate Control. In *56th IEEE Conference on Decision and Control (CDC)*, 12 2017

Lihua Lei, Cheng Ju, Jianbo Chen, and Michael I. Jordan. Nonconvex Finite-Sum Optimization Via SCSG Methods. In *Advances in Neural Information Processing Systems (NeurIPS)*, pages 2345–2355, 2017

SELECTED
HONORS

Mar. 2018, the Citadel Fellowship, at UC Berkeley
— Presented to an exceptional PhD graduate student in Statistics.

Mar. 2015, the Berkeley Fellowship for Graduate Study, at UC Berkeley
— Presented only to Berkeley’s top admitted doctoral students for two years of study.

Aug. 2015, Ho Sin Hang Prize in Science, at the University of Hong Kong
— Presented to the best third year B.Sc. student in physical sciences.

Aug. 2014, B.Sc. Class of 1971 Prize, at the University of Hong Kong
— Presented to the best second year B.Sc. student in physical sciences.

Aug. 2013, Ho Fook Prize, at the University of Hong Kong
— Presented to the best first year B.Sc. student.