

Hongzhou LIN

Curriculum Vitæ

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Education

- 2018–present **Massachusetts Institute of Technology, Cambridge, USA.**
PostDoc in Machine Learning Group with Stefanie Jegelka.
- 2014–2017 **Univ. Grenoble Alpes, Grenoble, France.**
PhD in Mathematics and Computer Science.
Thesis: Generic acceleration schemes for gradient-based optimization.
Advisors: Zaid Harchaoui and Julien Mairal.
- 2010–2014 **École Normale Supérieure, Paris, France.**
M.Sc. in Probability and Statistics.
Minor in Linguistics.
- 2008–2010 **Lycée Louis-le-Grand, Paris, France.**
Classes préparatoires aux grandes écoles.

Publications

According to Google Scholar, my papers received about **168 citations**.

- [1] H. Lin, J. Mairal, and Z. Harchaoui. A universal catalyst for first-order optimization. In *Advances Neural Information Processing Systems (NIPS)*, 2015.
- [2] H. Lin, J. Mairal, and Z. Harchaoui. A generic Quasi-Newton algorithm for faster gradient-based optimization. Submitted to *SIAM Journal on Optimization*, 2017.
- [3] H. Lin, J. Mairal, and Z. Harchaoui. Catalyst acceleration for first-order convex optimization: from theory to practice. *The Journal of Machine Learning Research (JMLR)*, volume 18, 2018.
- [4] C. Paquette, H. Lin, D. Drusvyatskiy, J. Mairal, and Z. Harchaoui. Catalyst for gradient-based non-convex optimization. In *International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2018.

Selected Talks

- 2017.06 **Trends in Optimization Seminar**, UNIVERSITY OF WASHINGTON.
- 2017.05 **SIAM Conference on Optimization**, VANCOUVER, CANADA.
- 2016.12 **NIPS Optimization workshop**, BARCELONA, SPAIN.
- 2016.08 **ICCOPT**, TOKYO, JAPAN.
- 2016.05 **Workshop ATLAS**, UNIV. GRENOBLE ALPES.
- 2016.04 **Optimization Seminar**, PRINCETON UNIVERSITY.

2016.04 **Optimization Seminar**, NEW YORK UNIVERSITY.

2015.11 **Workshop TITAN**, UNIV. GRENOBLE ALPES.

Internships

2016 **Three-month research internship**, MICROSOFT RESEARCH.
Supervised by Alekh Agarwal and Miro Dudík.

2016 **One-month scientific visit**, NEW YORK UNIVERSITY.

2014 **Six-month research internship**, INRIA.
Supervised by Zaid Harchaoui and Julien Mairal.

2013 **Five-month summer internship**, CHAPPUIS HALDER.
Stress-test modeling and validation, mission at BNP PARIBAS.
Supervised by Ziad Fares, Benoit Genest and Jérôme Frugier.

2012 **Six-month master internship**, UNIVERSITY OF TORONTO.
Supervised by Bálint Virág.

2012 **Three-month summer internship**, GE CAPITAL.
Statistic modeling in financial risk management.
Supervised by Stéphane Karm.

Teaching Experience

2016–2017 **Instructor**, *Discrete dynamical system*, UNIV. GRENOBLE ALPES.

2014–2016 **Instructor**, *Calculus*, UNIV. GRENOBLE ALPES.

2012–2013 **Teaching assistant**, UNIVERSITY OF TORONTO.

2010–2012 **Teaching assistant**, LYCÉE LOUIS-LE-GRAND.

Services to the Community

Journal refereeing: JMLR, COAP.

Conference refereeing: ICML, NIPS, COLT.