Adil Salim
Ph.D Student

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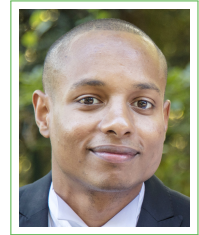✆ +33 686775393
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Education

2015–2018	**Ph.D**, *Telecom ParisTech*, Paris, Stochastic optimization for machine learning. Supervisors : Pascal Bianchi, Walid Hachem and Jérémie Jakubowicz
2014–2015	**M.Sc**, *Paris XI University*, Orsay, Advanced Probability.
2012–2015	**M.Sc**, *ENSAE ParisTech*, Malakoff, Data Science.
2009–2012	**Preparatory Classes for the "Grandes Ecoles"**, *Lycée Lakanal*, Sceaux, Mathematics/Physics. Three-year undergraduate intensive course
2009	**Baccalauréat Scientifique**, *Lycée Mistral*, Fresnes, Spe. Math. First Class Honours + Merit Scholarship

Teaching

2015-2017	**Tutorial assistant**, *ENSAE ParisTech*, Malakoff, 128h. Algebra, Measure Theory, Introduction to Stochastic Processes, Applied statistics project: French presidential elections, Twitter graph and Markov chains

Experience

2012-2017	**Member of the Teaching Pole**, *Nonprofit organizations*, Paris, Coaching ambitious students from rough urban area to prepare competitive exams for the most prestigious schools in France. Organizations : Renovo, Connex'cités, Gics, Prémices
Fall 2015	**Data scientist**, *ThePriceHub.com*, Paris, Rough costing of industrial custom parts.
Summer 2015	**Data scientist**, *Kwanko*, Bourg-la-Reine, Real Time Bidding algorithm on Google Ad Exchange.
Summer 2015	**Master thesis**, *CREST-ENSAE*, Malakoff, Free stochastic calculus and large random matrices. Supervisor: Philippe Biane
Summer 2014	**Internship**, *Insight-UCD*, Dublin, Importance sampling, MCMC methods. Supervisor: Florian Maire
Summer 2013	**Auditor**, *Deloitte*, Neuilly-sur-Seine, Audit of banks and insurance companies.

Publications

[1] A. Salim, P. Bianchi, and W. Hachem. "Snake: a Stochastic Proximal Gradient Algorithm for Regularized Problems over Large Graphs". *Nips 2017 Workshop Black in AI*.

[2] R. Mourya, P. Bianchi, A. Salim and C. Richard. "An adaptive Distributed Asynchronous Algorithm with Application to Target Localization". *IEEE CAMSAP 2017*.

[3] P. Bianchi, W. Hachem and A. Salim. "Convergence d'un algorithme du gradient proximal stochastique à pas constant et généralisation aux opérateurs monotones aléatoires". *GRETSI 2017*.

[4] A. Salim, P. Bianchi, and W. Hachem. "Snake: a Stochastic Proximal Gradient Algorithm for Regularized Problems over Large Graphs". *CAp 2017*.

[5] A. Salim, P. Bianchi, and W. Hachem. "A Stochastic Proximal Point Algorithm for Total Variation Regularization over Large Scale Graphs". *IEEE CDC 2016*.

[6] A. Salim, P. Bianchi, and W. Hachem. "A Constant Step Stochastic Douglas-Rachford Algorithm with Application to Non Separable Regularization". *Submitted*, October 2017.

[7] A. Salim, P. Bianchi, and W. Hachem. A constant step stochastic Douglas Rachford algorithm. *Technical Report*, October 2017.

[8] A. Salim, P. Bianchi, and W. Hachem. Snake: a Stochastic Proximal Gradient Algorithm for Regularized Problems over Large Graphs. *ArXiv e-prints, 1712.07027*, December 2017.

[9] P. Bianchi, W. Hachem and A. Salim. A constant step Forward-Backward algorithm involving random maximal monotone operators. *ArXiv e-prints, 1702.04144*, February 2017.

[10] P. Bianchi, W. Hachem, and A. Salim. Constant Step Stochastic Approximations Involving Differential Inclusions: Stability, Long-Run Convergence and Applications. *ArXiv e-prints, 1612.03831*, December 2016.