

Xuedong Shang

Curriculum Vitae

Education

- 2017–2020 **PhD in Computer Science**, *Inria*, Lille, France.
machine learning, multi-armed bandits, reinforcement learning
- 2015–2017 **Master of Computer Science**, *École normale supérieure de Cachan*, Rennes, France.
- 2014–2015 **Bachelor of Computer Science**, *École normale supérieure de Cachan*, Rennes, France.
- 2012–2013 **Bachelor of Mathematics**, *Université Pierre et Marie Curie (Paris VI)*, Paris, France.
- 2008–2011 **Mathematical Preparatory Class**, *Lycée Henri Poincaré*, Nancy, France.
post-secondary preparatory classes preparing for highly selective entrance examinations to the French Grandes Ecoles, including intense courses on mathematics, physics, chemistry, computer science and philosophy

Publications

Conference Papers

- ALT 2019 **General parallel optimization without metric**, in Proceedings of the 30th International Conference on Algorithmic Theory, Chicago, USA.
Xuedong Shang, Emilie Kaufmann and Michal Valko

Journal Papers

Workshop Papers

- EWRL 2018 **Adaptive black-box optimization got easier: HCT only needs local smoothness**, in 14th European Workshop on Reinforcement Learning, Lille, France.
Xuedong Shang, Emilie Kaufmann and Michal Valko

Preprints

- A simple dynamic bandit algorithm for hyper-parameter optimization.**
Xuedong Shang, Emilie Kaufmann and Michal Valko

Experience

Vocational

25, rue de Tournai – 59800 Lille

📞 +33 651882289 • 📞 00892165648623 • ✉️ xuedong.shang@inria.fr
🌐 xuedong.github.io

October **PhD Candidate**, *SequeL, Inria Lille-Nord Europe*, Lille, France.
 2017– Adaptive Methods for Optimization in Stochastic Environments, under the supervision of
 September Emilie Kaufmann & Michal Valko
 2020

February **Research Internship**, *SequeL, Inria Lille-Nord Europe*, Lille, France.
 2017–July Hierarchical Bandits for "Black Box" Optimisation and The Monte-Carlo Tree Search, under
 2017 the supervision of Emilie Kaufmann & Michal Valko

May **Research Internship**, *Yamamoto-Cuturi Lab., Graduate School of Informatics*,
 2016–July *Kyoto University*, Kyoto, Japan.
 2016 Optimal Transport Geometry for Machine Learning Problems, under the supervision of
 Marco Cuturi

September **Research Project**, *COSTEL, LETG Rennes*, Rennes, France.
 2015–May Time Series Clustering, under the supervision of Thomas Corpetti & Romain Tavenard
 2016

May **Research Internship**, *Magnet, Inria Lille-Nord Europe*, Lille, France.
 2015–July Recommender System, under the supervision of Marc Tommasi
 2015

June **Research Internship**, *CNRS Vérimag*, Grenoble, France.
 2012–July On the Generation of Positivstellensatz Witnesses in Degenerate Cases, under the
 2012 supervision of David Monniaux

Others

July **Summer Internship**, *Corporate Banking Department, Industrial and Commercial*
 2013–August *Bank of China*, Shanghai, China.
 2013

August 2012 **Summer Internship**, *International Business Department, Agricultural Bank of*
China, Shanghai, China.

Computer skills

Programming languages	C, C++, C#, Objective-C, Swift, Java, Python, Julia, Ruby, R, OCaml, Scala, Haskell, Elixir, Clojure, Rust, Golang, Bash	Web	HTML5/CSS3, Bootstrap, jQuery, JSON/Ajax, JavaScript, Sass, React, D3, Node.js, MongoDB
Operating systems	Linux, Windows, Mac OS	Numerical	Maple, Matlab/Octave
Machine learning	scikit-learn, PyTorch, Theano	Other	L ^A T _E X, Git, SVN, Vim, Emacs, Jupyter Notebook

Services

NIPS 2017, External Reviewer.
NeurIPS 2019, Reviewer.
ICML 2018, 2019, External Reviewer.
AISTats 2019, External Reviewer.

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Languages

English	Full Professional Proficiency	TOEIC 925
French	Native/Bilingual Proficiency	
Chinese Mandarin	Mother Tongue	
Chinese Shanghainese	Mother Tongue	
Japanese	Limited Working Proficiency	

Interests

Academic	Maths, Finance, Neuroscience, e-Education
Sports	Football, Basketball, Ski, Cycling, Bouldering
Arts	Piano

Extra

Eduinfinity	Team leader on computer science courses	<i>A translation group providing chinese subtitles for courses on Coursera.org, edX.org, etc</i>
Wikipedia	Wikipedian in English, French, Chinese and Japanese	
UCECL	Department of publicity	<i>Union of Chinese student and researcher in Lille</i>
Unef	Foreign student candidate at ENS	<i>National union of students of France</i>