

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

- ICML 2019 - **A simple dynamic bandit algorithm for hyper-parameter optimization**, in 6th AutoML ICML Workshop on Automated Machine Learning, Long Beach, USA.
Xuedong Shang, Emilie Kaufmann and Michal Valko
- 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

Experience

Vocational

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

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

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 supervision of David Monniaux
 2012

Others

May **Secretary-General**, *Union des étudiants et chercheurs chinois à Lille (UCECL)*,
 2019–May Lille, France.
 2020

June **Member**, *Publicity Department, Union des étudiants et chercheurs chinois à Lille (UCECL)*, Lille, France.
 2018–May 2019

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

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Services

NIPS 2017, External Reviewer.
NeurIPS 2019, Reviewer.
ICML 2018, 2019, External Reviewer.
AISTats 2019, External Reviewer.
ICLR 2019 Workshop LLD, Reviewer.
RLSS 2019, Organization Committee.

Languages

English	Full Professional Proficiency	TOEIC 925
French	Native/Bilingual Proficiency	
Chinese	Mother Tongue	
Mandarin		
Chinese	Mother Tongue	
Shanghainese		
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	
Unef	Foreign student candidate at ENS	<i>National union of students of France</i>

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