

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

Experience

Vocational

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

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- 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

- 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

Services

- NIPS 2017**, External Reviewer.
- ICML 2018**, External Reviewer.
- AISTats 2019**, External Reviewer.

Languages

English	Full Professional Proficiency	TOEIC 925
French	Native/Bilingual Proficiency	

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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 *A translation group providing chinese subtitles for courses on Coursera.org, edX.org, etc*

Wikipedia Wikipedian in English, French, Chinese and Japanese

UCECL Department of publicity *Union of Chinese student and researcher in Lille*

Unef Foreign student candidate at ENS *National union of students of France*

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