Xuedong Shang

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

February 2017–July 2017	**Research Internship**, *SequeL, Inria Lille-Nord Europe*, Lille, France. Hierarchical Bandits for "Black Box" Optimisation and The Monte-Carlo Tree Search, under the supervision of Emilie Kaufmann & Michal Valko
May 2016–July 2016	**Research Internship**, *Yamamoto-Cuturi Lab., Graduate School of Informatics, Kyoto University*, Kyoto, Japan. Optimal Transport Geometry for Machine Learning Problems, under the supervision of Marco Cuturi
September 2015–May 2016	**Research Project**, *COSTEL, LETG Rennes*, Rennes, France. Time Series Clustering, under the supervision of Thomas Corpetti & Romain Tavenard
May 2015–July 2015	**Research Internship**, *Magnet, Inria Lille-Nord Europe*, Lille, France. Recommender System, under the supervision of Marc Tommasi
June 2012–July 2012	**Research Internship**, *CNRS Vérimag*, Grenoble, France. On the Generation of Positivstellensatz Witnesses in Degenerate Cases, under the supervision of David Monniaux

Others

July 2013–August 2013	**Summer Internship**, *Corporate Banking Department, Industrial and Commercial Bank of China*, Shanghai, China.
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	LaTeX, Git, SVN, Vim, Emacs, Jupyter Notebook

Services

NIPS 2017, External Reviewer.
ICML 2018, External Reviewer.

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	*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*