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

Journal Papers

Workshop Papers

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

Preprints

General parallel optimization without metric.
Xuedong Shang, Emilie Kaufmann and Michal Valko

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	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*