

# Xuedong Shang

## Curriculum Vitae

### Education

- 2017– **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

### Experience

#### Vocational

- October **PhD Candidate**, *SequeL, Inria Lille-Nord Europe*, Lille, France.  
2017– Adaptive Methods for Optimization in Stochastic Environments, under the supervision of Emilie Kaufmann & Michal Valko
- 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*,  
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 supervision of David Monniaux  
2012

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🌐 xuedong.github.io

## 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, Java, Python, Julia, OCaml, R, Ruby, Scala, Haskell, Rust, Golang, Swift, 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
Other	L <sup>A</sup> T <sub>E</sub> X, Git, SVN, Vim, Emacs, Jupyter Notebook		

## Languages

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

## Interests

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

## Extra

Eduinfinity Translation Group	Team leader on computer science courses	<i>A chinese translation group providing chinese subtitles for courses on Coursera.org, edX.org, etc</i>
Wikipedia	Wikipedian in English, French, Chinese and Japanese	

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