

# Ye XIA

Phd student in cloud computing

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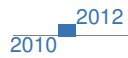


## Education

- 2015-2018 **PhD student**, Orange Labs & Inria, France
  - Subject: Combining Heuristics for Dynamically Optimizing the Placement of IoT Applications in Large-Scale Fog Computing Environments
  - Implementation: Java, Interface: MQTT, GUI: Prefuse, Comparison: CPLEX, Simulation: SimGrid
- 2014-2015 **Master**, Université Grenoble Alpes, France
  - Discipline: Parallel, Distributed and Embedded System
  - Scholarship: Excellent master scholarship of Persyval Lab
- 2012-2015 **Engineering degree**, Polytech'Grenoble, France
  - Discipline: Information network and multimedia communication
- 2006-2010 **Bachelor**, Soochow University, China

## Professional Experience

- 2018 **Competition**, Alibaba Global Scheduling Algorithm Competition
  - Designed and developed an application-scheduling algorithm that aims at minimizing energy consumption in a cloud data center, *Java*
  - Rank (Preliminary) : 2 / 2116
- 2016 **Competition**, Battle Dev (Online Programming Competition)
  - Rank: 20 / 403 (Java group)
- 2015 **Intern**, Grenoble Informatics Laboratory, France
  - Topic: Heuristics for Hierarchical Task Network Planning
  - Designed and developed heuristics for accelerating planning processes, *Java*
- 2014 **Intern**, Suzhou KuanWen Electronic Science and Technology Co., China
  - Topic: SRAM design optimization based on Fast Monte Carlo method
  - Developed Fast Monte Carlo algorithm and GUI, *Java, JFreeChart*
- 2013-2014 **Course Projects**
  - Throughput Test of the Reliable Broadcast in a Distributed System
  - Others : GUI, Image Processing, Search Engine, File Compression, Android
- 2013 **Intern**, laboratory TIMA - VDS team, France
  - Topic: Python on STM32
  - Designed and developed a tool that allows running Python programs on STM32F4 card, *Tcl, C*

2010  2012

**Software Engineer**, AiceStar Science and Technology Co., China

- Developed software projects for electronic design automation, *Tcl*, *QT*

## IT Skills

- Programming: Java, Tcl, C, C++, R, Python
- Software: Git, Maven, Docker, Ansible, SimGrid, CPLEX, Vim, Eclipse,  $\LaTeX$

## Languages

- English (business level), French (business level), Chinese (native)

## Publication

- Combining Hardware Nodes and Software Components Ordering-Based Heuristics for Optimizing the Placement of Distributed IoT Applications in the Fog, ACM SAC 2018
- Combining Heuristics to Optimize and Scale the Placement of IoT Applications in the Fog, IEEE/ACM UCC 2018