

# Nicolas Porcel

*Software Engineer at Amadeus*

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Nationality: French

## Education

- 2014-2015 **Master of Computing**, *National University of Singapore*, Singapore.
- 2011-2014 **Engineer's degree, Master of Engineering**, *Supélec*, Paris.  
One of the top-ranked French *School of Engineering*.
- 2011-2012 **License of Mathematics (3rd year of University)**, *University of Paris XI*, Orsay.
- 2009-2011 **Classe préparatoire aux grandes écoles**, *Masséna High School*, Nice (France).  
Two years of preparatory course for the entrance exam to the French *Grandes Ecoles*.

## Experience

- Feb 2015 **Software Engineer**, *Amadeus IT Group*, Sophia Antipolis (France).
- Work in Scrum Teams in the revenue management and availability computation department to provide IT solutions for tens of airlines.
  - Develop in C++, Java, Python and Angular.
  - Improve the performance of our high throughput computationally intensive cloud availability application to reduce its latency and hosting cost.
  - Design a scalable architecture to simulate the availability process of the totality of the airline network with a frontend in Angular.
  - Implement a revenue optimization algorithm using dynamic programming and CUDA.
  - Setup the unit test framework of our application.
  - Provide technical details on our architecture enhancements to the client.
- May-Aug 2014 **Software Internship**, *Maxus*, Singapore.
- Develop several prototypes and applications in order to demonstrate the potential of the R&D branch of Maxus. It includes web, mobile and hardware development and design using latest technologies such as Ruby on Rails, Django and AngularJS.

## Computer skills

- Advanced C, C++, Java, Python, Linux/BSD, Bash
- Intermediate CUDA, Javascript, Angular, HTML/CSS, PHP, SQL, Matlab
- Basic Perl, Ruby, C#, Android,  $\text{\LaTeX}$

## Languages

- French Mother tongue
- English Fluent
- Spanish Intermediate

## Interests

- Open source Write enhancements and fixes for various open source applications including ansible, the Linux Kernel, GnuPG and sshguard.