



## Curriculum Vitae

### **Laurent Oget, PhD**

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15 years experience designing and building industrial-strength systems to organize, understand and analyze big data as a tool for informed decisions.

### **Technical Skills:**

#### Programming:

C++, Java, Python, and more  
Functional and Logic Programming  
Full Software Lifecycle

#### Computing:

Linear Programming , Machine Learning, Optimization

#### Managing:

Unix, RDBMS, TCP/IP

### **Problem Solving Skills:**

Laurent Oget has been using mathematical theory and computing practice to solve problems big and small about data for 20 years, among which 4 years dissertation work, 5 years building a state of the art network optimization system, but also a daily dose of bug fixes and performance improvement for the last decade.

### **Communication Skills:**

Laurent Oget has been involved in scholarly publications, patent discussions and high-stakes client-facing meetings, as well as daily collaboration in teams of collaborators with diverse cultural and technical backgrounds in the context of fast evolving projects while staying in touch with state of the art methods and constantly learning new tools.

### **Foreign Languages:**

Fluent French and English. Working knowledge of German.

### **Education:**

1991-1995 Ecole Normale Supérieure de Cachan  
1993 Maitrise de Mathématiques, Université Paris XI (*BS in Mathematics*)  
1994 Agrégation de Mathématiques (ranked 22nd nationwide)  
1996-2000 Ph. D. in Theoretical Computer Science:  
Dissertation: "Codes d'arbres et Automates d'arbres"



## **Professional Experience:**

2008-06/Present Senior Software Engineer

### **Predictix/LogicBlox**

Developing high performance data mining and statistical analysis processes, from high-level design to production trouble-shooting. Prototyping a ground-breaking assortment planning application. Building the interface between a deductive database and a variety of optimization technologies, from theorem provers to linear programming, with recent focus on OLAP operations.

2006/2008-06 Senior Software Engineer

### **Optimi Corporation**

Maintaining and developing a performance critical deductive database engine using the full spectrum of generic (templates) and object-oriented (Design Patterns) C++ techniques. Migration to Oracle DBMS solution. Java and C++ interoperating (JNI)

2005-2006 Senior Software Engineer

### **LSI Logic**

Implementing support applications for Raid-Array Controllers  
Mission critical C++ and Java/Swing  
Mentoring beginner Java Developers

2000-2005 Senior Development Engineer,

### **Zvolve Systems**

Implementing the core optimization component of Conscious(r), an award winning Real Time Traffic Engineering system for IP Data Network, a performance critical software component, tested in the labs of major carriers.

Designing the algorithm for the Conscious BGP product and writing the optimization engine in C++. (co author of the associated patent)

1994-2000 **Teaching Assistant - Math and Computer Science**

Various department at the University of Paris

## **Immigration Status**

Permanent Resident in the United States ( aka "Green Card")