

# **VINOT Romain**

Né à Paris le 25 mai 1977  
Nationalité : Français  
Divorcé

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## **Research Scientist and Software Engineer, PhD and Engineering diploma in computer science**

### **QUALIFICATIONS AND TECHNICAL EXPERTISE**

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- Very strong theoretical and practical knowledge in Machine Learning, Natural Language Processing, Information Retrieval and Statistics.
- Programming skills in multiple languages and frameworks: C, C++, Java, Perl, Python, PHP, SQL, Hadoop (MapReduce), UML design.
- Expertise in analysis and design of object-oriented architectures and frameworks.
- Good project management skills for research projects with high uncertainty: tasks prioritization and time estimation, scheduling, dividing problems into sub-tasks, etc.

### **PROFESSIONAL EXPERIENCE**

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- **Research scientist at Yahoo! Labs** **2009-Present**
  - Work on state of the art semi-supervised algorithms for entity tagging in queries.
  - Studies on interaction of components on query analysis and query rewriting.
  - Design and implement a library and a framework to improve management of statistical models through sharing and re-use of components.
- **Technical lead and project manager at Yahoo! International** **2008-2009**
  - Lead a team of 4 scientists on Query Intent for International markets.
  - Some examples of successful projects: adult query classifier, navigational query classifier, misspelled query rewriting, stemming query rewriting.
  - Build a statistical classifier to recognize navigational queries based on web results.
  - Build a process to automatically recognize bad results from clicks, send queries to editors for review and update results. Put in place for 25 markets.
- **Machine Learning expert at Yahoo! International** **2006-2007**
  - Working as expert on Machine Learning for Web Content Classification project
  - Lead effort on Best Practices that have been adopted for the project around evaluation, active learning, model adaptation, error analysis and more.
  - Maintainer of 20 models for European markets
- **R&D Engineer at Akio Software** **2004-2005**
  - Responsible of the Automatic Text Classification module of the Akio Mail Center software, considered as one of the main advantages of the system.
  - Worked in the migration of the software from Perl to Java.
  - Lead developer of the release update mechanism.
- **Internship at Akio Software** **2000**
  - Evaluation of the initial search engine in Akio Mail Center
- **Internship at EPFL (Ecole Polytechnique Fédérale de Lausanne)** **1999**
  - Run large scale evaluation of Statistical Syntactic Parser

### **EDUCATION**

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- **2003** : PhD at ENST (Ecole Nationale Supérieure des Télécommunications) on « Automatic Text Classification on non-topical classes »
- **2000** : DEA Intelligence Artificielle Reconnaissance des Formes et Applications at Paris 6 University. Best student of the year.
- **2000** : Engineer diploma from ENST (Ecole Nationale Supérieure des Télécommunications) : specialization in Network, Computer Science and Artificial Intelligence.