

BRUNNER Jean-Sébastien

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27 years old
French Nationality



COMPUTER SCIENCE RESEARCH ENGINEER
Specialized in Knowledge Representation and Processing

WORK EXPERIENCE

- Since 2005** **IBM, CHINA RESEARCH LABORATORY** (Beijing, China)
Staff R&D Engineer, member of the Information and Knowledge department.
- Integration of Semantic Web technologies in the field of Master Data Management.
 - Work on better support for these technologies, to support their scale up and their adoption.
 - Submitted several scientific papers, one patent application filed.
- SEPT 2003 -** **CENTRE DE RECHERCHE PUBLIC HENRI TUDOR** (Grand Duchy of Luxembourg)
OCT 2005
- **Project Leader**. Enhancement of a satellite webcaster service by adding profiling and filtering modules. ESA project, in collaboration with INRIA Lorraine and SES Astra.
 - **Research Engineer**. Development of tools and methods promoting the use of Semantic Web technologies to structure, build and share knowledge among communities and innovation clusters. Worked on the development of an ontology syndicating the national R&D information and on a portal designed to structure constructions sector data.
 - Published scientific papers in local or international workshop or conferences (CRIS 04, EMOI-CAISE 04, IEEE AISTA 04).

INTERNSHIPS AND OTHER PROJECTS

- 2003**
(6 months) **BOUYGUES SA** (St-Quentin-en-Yvelines, France)
Internship period as research engineer at e-lab.
- Extension of a search engine using alternate technologies supporting user friendly dialogs.
 - In particular I worked on semantic annotations (ontologies) to reduce time to solutions. This work was published as full paper in IEEE ACM Web Intelligence 04 conference.
- 2002**
(4 months) **SOFTARTISANS** (Boston, USA)
Internship period as Web Developer.
- Developed of a Content Management System with Microsoft .net technologies.
- 2000 - 2003** **MIND** - Junior Enterprise of École des Mines de Nantes (France)
- President of MIND in 2001, a company run by students. Negotiation of contracts, management of the team and carrying out computing projects for companies.
 - Development of a dynamic web site dealing with high speed networks. This web site was created for the regional prefecture of Pays de la Loire.
 - Lead the development of Acoustic Duct for Axilab. This software calculates acoustic simulations.

LANGUAGES

- **French** : Mother tongue
- **English**: fluent. IELTS, several international work experiences.
- **Chinese Mandarin**: Beginner, presently living in China.
- **Spanish**: Beginner

COMPUTER SCIENCE SKILLS

- Modeling:** Conceptual modeling (UML, E/R);
Knowledge Representation: Ontologies (RDF, OWL), XML.
- Programming:** Object Oriented Languages (Delphi, Java C#, C++), Internet Languages (ASP.net, PHP)
Logic Programming (Prolog), mathematical Programming (XPress), and constraint programming.
- Databases:** SQL, Oracle (PL/SQL), DB2, DB2 Viper

STUDIES

- 1999-2003** **ENGINEER GRADUATED FROM THE ÉCOLE DES MINES DE NANTES** (France), a National Graduate Engineering School offering a 4-year industrial systems engineering course, equivalent to Master's degree.
- Majored in computer engineering in the assistance of decision making, a training based on four axes: Datamining, Datawarehousing, Optimisation and Visualization.
- 2002-2003** **MASTER'S OF SCIENCE IN COMPUTER SCIENCE (DEA)** from University of Nantes.
- Training focused on advanced data processing.
- 1998-1999** **PREPARATORY SCHOOL** (intensive undergraduate course in mathematics).
- 1998** **BACCALAUREATE** with major in maths, with honors

EXTRA-CURRICULAR ACTIVITIES

- Personal interests** Running and Hiking, Traveling.