

## KÉVIN OTTENS

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05/30/1980

# OPEN SOURCE ENGINEER & RESEARCHER

## OBJECTIVES

- Help organizations to surpass themselves through *open innovation* and *knowledge diffusion*
- Be part of a *passionate community*, creating win-win situations and improving *cooperation*
- Continuously keep *learning* and improving my skills by undertaking *challenging problems*

## OPEN SOURCE CONTRIBUTIONS

### 2006 - present KDE Research & Education Program

- Co-creator of the KDE Research group
- Provided feedback on SQO-OSS, EU funded project on software quality in Open Source
- Manage teams of students of the Toulouse University during KDE related projects

### 2005 - present FreeDesktop.org Contributor

- Developer on HAL, a hardware abstraction layer
- Co-author on the autorun specification shared across several desktop projects

### 2003 - present KDE Core Developers Team

- Agile coach for the Plasma Workspaces projects
- Lead developer of the todo management application Zanshin
- Architect of the Akonadi based IMAP support
- Developer for the file manager Dolphin
- Architect of the Solid library, a portable framework for hardware detection
- Developer for KIO, an asynchronous framework for network transparent filesystem access
- Several smaller contributions across the whole KDE code base

## PROFESSIONAL EXPERIENCE

### 2007 - present KDAB

KDE/Qt Software Engineer

- Developing on customer projects
- Giving Qt trainings in international contexts

### 2004 - 2007 Institut de Recherche en Informatique de Toulouse (IRIT)

Researcher and Professor Assistant, PhD student

Project: Dynamo, multi-agent system for dynamic ontology building

### 2003 - 2004 Institut de Recherche en Informatique de Toulouse (IRIT)

Internship period (9 months), Master student

Project: Part of speech tagging system based on a multi-agent system

### 2003 Institut de Recherche en Informatique de Toulouse (IRIT)

Internship period (5 months)

Project: Cameleon III, system for knowledge extraction from texts

- 2002 Anfora**  
*Internship period (4 months)*  
*Projects:*
- *Anfora Update, distributed update system for a set of embedded systems*
  - *Anfora Phone, voice over IP software*
- 2001 Euro Business System**  
*Internship period (4 months)*  
*Projects:*
- *Télédec, transmitting platform for multimedia data*
  - *EBStock, stock management software*
- 1998 - 2002 BNP Paribas Toulouse (international trade service)**  
*Regular internship periods (1 month)*  
*International payment treatment: checks, swift transfers*

## PUBLICATIONS & ACADEMIC INVOLVEMENT

- 2011**
- Kévin Ottens: *University & Community*  
 Open-Advice, a collection of essays on Free Culture communities (pending publication)
- 2010**
- Reviewer for the Service Oriented Architecture and Programming (SOAP) track of the ACM Symposium on Applied Computing 2011 (ACM SAC 2011)
- 2009**
- Kévin Ottens, Nathalie Hernandez, Marie-Pierre Gleizes, Nathalie Aussenac-Gilles: *A Multi-Agent System for Dynamic Ontologies*  
 Journal of Logic and Computation 2009
- 2007**
- Kévin Ottens: *Construction d'ontologies à partir de textes à l'aide d'un système multi-agent adaptatif.*  
 PhD thesis, october 2007
  - Kévin Ottens, Valérie Camps, Pierre Glize: *Vers l'implémentation d'ontologies dynamiques par des systèmes multi-agents*  
 JFSMA, october 2007
  - Kévin Ottens, Marie-Pierre Gleizes, Pierre Glize: *A Multi-Agent System for Building Dynamic Ontologies*  
 AAMAS, may 2007.
  - Kévin Ottens, Nathalie Aussenac-Gilles: *Un algorithme multi-agent de classification pour la construction d'ontologies dynamiques*  
 EGC, january 2007
- 2006**
- Kévin Ottens, Gauthier Picard, Valérie Camps: *Transformation de modèles d'agents dans la méthode ADELFE - Des stéréotypes de conception à l'implémentation*  
 L'Objet, special issue « Composants et Systèmes Multi-Agents »
- 2004**
- Kévin Ottens: *Analyse syntaxique par Systèmes Multi-Agents adaptatifs : apport à la construction d'ontologies*  
 Master thesis, june 2004
  - Kévin Ottens, Nathalie Aussenac-Gilles, Marie-Pierre Gleizes, Pierre Glize: *Systèmes Multi-Agents pour l'extraction d'ontologies à partir de textes : revue de questions*  
 AGENTAL: Agents & Langue, march 2004

## TECHNICAL EXPERTISE

<b>Knowledge Fields</b>	Realtime and embedded systems, Distributed computing, Object oriented design, Agile project management, Natural language processing, Multi-agent systems, Knowledge management, Basics in security & cryptography
<b>Project Management</b>	eXtreme Programming, Scrum, Lean (basics), OpenUP
<b>Object-Oriented Design</b>	UML, OCL, Design Patterns
<b>Programming Languages</b>	C/C++, Objective C, Perl, PHP, Python, Java, Ada, x86 and 68k assembly
<b>APIs and Tools</b>	Qt/KDE, STL, Swing, OpenH323, Lex/Yacc, Subversion
<b>Databases</b>	SQL, PL/SQL, PostgreSQL, MySQL, Oracle 9i
<b>Operating Systems</b>	UNIX, GNU/Linux
<b>XML related standards</b>	XML, XHTML, CSS, XSLT, XSL:FO, Xpath, RDF(S), OWL, SAX, DOM

## EDUCATION

<b>2004 - 2007</b>	<b>Ph.D. in Computer Science, with honours</b> <i>Paul Sabatier University Toulouse III</i>
<b>2003 - 2004</b>	<b>Second Master degree in Computer Science Researches, with honours</b> <i>Paul Sabatier University Toulouse III</i>
<b>2003</b>	<b>Software « Master Engineer » Diploma</b> <i>Paul Sabatier University Toulouse III</i> Honorary diploma
<b>2002 - 2003</b>	<b>First Master degree in Software Engineering, major, with honours</b> <i>Paul Sabatier University Toulouse III</i> <i>Projects:</i> <ul style="list-style-type: none"><li>• <i>APES: Process modeling software</i></li><li>• <i>realtime nuclear core simulator using C++ and Qt</i></li><li>• <i>realtime air trafic simulator using Ada</i></li></ul>
<b>2001 - 2002</b>	<b>Bachelor's degree in Software Engineering, major, with honours</b> <i>Paul Sabatier University Toulouse III</i> <i>Projects:</i> <ul style="list-style-type: none"><li>• <i>SNL: Graphic User Interface designer</i></li><li>• <i>Maintenance of a PHP based web application</i></li></ul>
<b>2000 - 2001</b>	<b>Two year University degree in Software Engineering, major, with honours</b> <i>Paul Sabatier University Toulouse III</i> <i>Projects:</i> <ul style="list-style-type: none"><li>• <i>Viking Project: board game, member of the supervising team, responsible of the game heuristic development</i></li><li>• <i>Multi-user web forum using Perl/CGI</i></li></ul>
<b>1998 - 2000</b>	<b>Preparatory classes: two year undergraduate intensive course in mathematics and physics</b> <i>Lycée Déodat de Séverac, Toulouse, France</i> <i>Project: Memory writing about the behavior of the satellite constellations used in telecommunication</i>

## ADDITIONAL INFORMATION

- Languages**
- French: mother tongue
  - English: conversational
  - Spanish: notions
- Associations**
- Member of the Toulibre LUG since 2005, board member from 2007 to 2010
  - Vice president of the Student association of the IUP ISI during the 2000/2001 university year
- Other**
- Obtained first-aid certificate in 2006
  - Ranked 11 (over 1000) to the Securitech 2003 security challenge