

CONTACT INFORMATION	Buiding 28, 1-501 Longtengyuan 4, Huilongguan, Changping Beijing 102208, China	Mobile: +86 186 0102 0132 Fax: +86 10 82980165 E-mail: chao@zhou.fr WWW: http://zhou.fr
EDUCATION	<p><b>Troyes University of Technology (France)</b> Sept. 2005-Jun. 2009</p> <p>Ph. D. in Networks, Knowledge, and Organizations Thesis: Scaling Up the Socio-semantic Web: Application Protocol and User Interfaces Scholarship: China Scholarship Council</p> <p><b>North China Electric Power University (China)</b> Sept. 2002-Jul. 2005</p> <p>Master of Science in Computer Science and Engineering Thesis: Study and Implement a Real-time Database for Power Corporation Scholarship: Sifang Scholarship</p> <p><b>Beijing Information Science &amp; Technology University</b> Sept. 1997-Jul. 2002</p> <p>Bachelor of Science in Computer Science Graduated with Highest Honors</p>	
PROFESSIONAL EXPERIENCE	<p><b>Nostos Technology Ltd.</b>, Beijing, China</p> <p><u>Chief Technology Officer</u> September 2010 - present</p> <ul style="list-style-type: none"> <li>• Co-found with Professor Manual ZACKLAD (Conservatoire National des Arts et Métiers, France)</li> <li>• Developed Web 2.0 CMS / OA system for Chinese corporations.</li> <li>• Developed a novel remote medication system for a Hongkong corporation.</li> </ul> <p><b>Cogniva Europe</b>, France</p> <p><u>Senior Software Engineer</u> May 2009 - July 2010</p> <ul style="list-style-type: none"> <li>• Developed a Folksonomy based document management system (Semiotag) for France Telecom S.A.</li> </ul> <p><b>Wangfang Data, Inc.</b>, China</p> <p><u>Web Programmer</u> September 2001- July 2002</p> <ul style="list-style-type: none"> <li>• Developed e-Business publish management system for China publications import &amp; export corporation.</li> </ul>	
PROJECTS	<p><b>e-Commerce platform for small B2C company</b> Spring 2012 - present</p> <p>The e-Commerce platform is targeted to small B2C business company, the platform is work out-of-the-box that allows those companies to set it up with minor configs. Administrator can easily presents products to clients, and get paid by Alipay.</p> <p>The front-end of this platform is designed with Twitter Bootstrap, the back-end RESTful web services are implemented with Python (based on Django framework) and MySQL. Memcached is also well supported in this platform.</p> <p><b>RESTClient</b> Spring 2006 - present</p>	

RESTClient is a Firefox add-on, it's designed for testing RESTful web services. It's developed with XUL and JavaScript, and recently it has been re-written with JavaScript with Twitter bootstrap 2.0.2. RESTClient is a very popular Firefox add-on, it has about 30,000 active users.

<http://www.restclient.net>

### **uPassword**

Winter 2011 - present

uPassword is a password generator, it helps user to create and manage secure passwords. uPassword was developed as browser plugins (support Safari, Google Chrome, Firefox), iOS app, and Android App.

<http://www.upassword.com>

### **LaSuli**

Spring 2008 - Fall 2011

LaSuli is a Firefox add-on, which is used for social annotation for qualitative analysis. Currently is used by students in Lige University (Belgium) and Troyes University of Technology (France). It's released under the GNU General Public License.

<https://github.com/Hypertopic/LaSuli>

### **Remote Medication Platform**

Winter 2010 - Summer 2011

Remote Medication Platform is a Web 2.0 application, is designed for medicine doctors to diagnose patients remotely. This platform is distributed on several cities, the client side can use a special device to scan patients documents and share with doctors, they also can exchange information through an online meeting platform. This platform is developed with Java and Oracle.

### **Implementing a Folksonomy on the Architecture of NoSQL**

Spring 2011

Implement a model using a metrics to calculate the distance of documents, and to help finding the nearby documents. Implement the model on NoSQL database "CouchDB". This project is funded by CNRS (National Center for Scientific Research, France). I finished this project by remotely collaborating with Tech-CICO laboratory, UTT, France.

### **Semiotag**

Spring 2010 - Spring 2011

Semiotag is a document management system which implements with Folksonomy. The project is outsourced from Cogniva Europe (France). The applications are developed by C# and implemented on Microsoft cloud platform (Windows Azure). The web services and web applications are developed with C#, MSSQL, and jQuery.

### **Nostos Content Management System**

Spring 2010 - Spring 2011

Nostos CMS is developed with Python, PHP and MySQL. This management system adopted a lot of HTML5 and CSS5 technologies.

### **Argos and Agorae**

Winter 2005 - Fall 2011

Argos is an implementation of Hypertopic model. It has been successfully used to manage multi-viewpoints catalogues built by: managers (France Telecom, Airbus), mechanical engineers (ABB), and researchers (ANDRA & social scientists, Open archive, UNESCO diaspora knowledge network), etc. It's developed with PHP and PostgreSQL, and it has been adopted to Apache CouchDB database in the later of 2009.

<https://github.com/Hypertopic/Argos>

<https://github.com/Hypertopic/Agorae>

## **i-Semantec**

Sprint 2007 - Spring 2009

The i-Semantec project, funded by ANR (Agence nationale de la recherche, France), was developed in the context of the issues of knowledge capitalization, management and reuse among large industrial corporations. The project aims at building a Web 2.0 application to integrate the data and document from PLM (Product Lifecycle Management)

Partners: Cadesis, ICD/Tech-CICO, Topica tools, ABB.

<https://github.com/Hypertopic/Protocol/wiki/Isemantec>

## **CogDoc**

Sprint 2007 - Summer 2009

The project CogDoc aims at providing a Web 2.0 platform for sharing course materials (slides and audio/video records) among teachers and students from French speaking universities related to an international and interdisciplinary research group.

<https://github.com/Hypertopic/Protocol/wiki/CogDoc>

## **PUBLICATIONS**

- [1] Web 2.0 & Serious Game: Structuring knowledge for participative and educative representations of the City, Jean-Pierre Cahier, Nour El Mawas, Aurélien Bénel, Chao Zhou. International Conference on Smart and Sustainable City, Shanghai, 6-8 July 2011. 2011.
- [2] Beyond Web 2.0... And Beyond the Semantic Web, Aurélien Bénel, Chao Zhou, Jean-Pierre Cahier. From CSCW to Web 2.0: European Developments in Collaborative Design. Randall, David; Salembier, Pascal (Eds.). pp. 155-171. Computer Supported Cooperative Work. Springer Verlag. 2010.
- [3] Éloge de l'hétérogénéité des structures d'analyse de textes, Aurélien Bénel, Christophe Lejeune, Chao Zhou. Document numérique. pp. 41-56. RSTI vol. 13 no. 2. Hermès-Lavoisier. 2010.
- [4] Scaling up the Socio-semantic Web: Application protocol and user interfaces, Chao Zhou. Université de technologie de Troyes. 2009.
- [5] From the crowd to communities: New interfaces for social tagging, Chao Zhou, Aurélien Bénel. Proceedings of the eighth international conference on the design of cooperative systems (COOP'08), Carry-le-Rouet, May 20-23, 2008.
- [6] Intelligence qualitative dans la gestion de risque : rôle de la documentarisation et des Systèmes d'Organisation des Connaissances, Manuel Zacklad, Jean-Pierre Cahier, Aurélien Bénel, L'Hédi Zaher, Christophe Lejeune, Chao Zhou. Actes des 19e journées francophones d'ingénierie des connaissances (IC'2008). 2008.
- [7] Hypertopic : une métasémiotique et un protocole pour le Web socio-sémantique, Manuel Zacklad, Aurélien Bénel, Jean-Pierre Cahier, L'Hédi Zaher, Christophe Lejeune, Chao Zhou. Actes des 18eme journées francophones d'ingénierie des connaissances (IC2007). Francky Trichet (Eds.). pp. 217-228. Cépaduès. 2007. ISBN 978-2-85428-790-9.
- [8] Towards a standard protocol for community-driven organizations of knowledge, Chao Zhou, Aurélien Bénel, Christophe Lejeune. Proceedings of the thirteenth international conference on Concurrent Engineering, Antibes, September 18-22, 2006. pp. 438-449. Frontiers in Artificial Intelligence and Appl. vol. 143. Amsterdam: IOS Press. 2006.

SERVICE	Recent contributor to several open-source software projects, including: <ul style="list-style-type: none"> <li>• Apache CouchDB LDAP Authentication plugin</li> <li>• Hypertopic PHP Library and Hypertopic Objective-C Library</li> <li>• Personal projects archived at <a href="https://github.com/chao/">https://github.com/chao/</a></li> </ul>
AWARDS	China Scholarship Council, University Scholarship, 2005–2008 Electrical and Computer Engineering Sifang Scholarship, 2002–2005
SKILLS	<p>Computer Programming:</p> <ul style="list-style-type: none"> <li>• JavaScript, Python, PHP, CSS, C, C++, Java, UNIX shell scripting, GNU make, Erlang, AppleScript, SQL, MySQL, PostgreSQL, Oracle, and others</li> </ul> <p>Web Design:</p> <ul style="list-style-type: none"> <li>• Adobe Photoshop, jQuery, YUI, Twitter Bootstrap, Balsamiq Mockups, FreeMind, MindNote, and others</li> </ul> <p>Version Control and Software Configuration Management:</p> <ul style="list-style-type: none"> <li>• DVCS (Mercurial/MQ, Git/StGit), VCS (RCS, CVS, SVN, SCCS), and others</li> </ul> <p>Information/Internet Technology:</p> <ul style="list-style-type: none"> <li>• Networking (UDP, TCP, ARP, DNS, Dynamic routing), Services (Apache, SQL, MediaWiki, POP, IMAP, SMTP, application-specific daemon design)</li> </ul> <p>Productivity Applications:</p> <ul style="list-style-type: none"> <li>• T<sub>E</sub>X (L<sup>A</sup>T<sub>E</sub>X, B<sub>I</sub>B<sub>T</sub>E<sub>X</sub>), Vim, most common productivity packages (for Windows, OS X, and Linux platforms)</li> </ul> <p>Operating Systems:</p> <ul style="list-style-type: none"> <li>• Apple OS X, Linux (Ubuntu, RedHat, CentOS, etc.), Microsoft Windows family</li> </ul>
REFERENCES AVAILABLE TO CONTACT	Available upon request.
MORE INFORMATION	More information and auxiliary documents can be found at <a href="http://zhou.fr/">http://zhou.fr/</a> .