

Nicolas (尼古拉) Pontoizeau

French - Single - Driving-licence

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Software Engineer seeking position in Asia

Professional Experience

- 2005 - 2006
Until October **Steria (France) for Orange - Software engineer**
Developed a java based webservice for the DRACCO project (Données Référentielles et Agrégation du Contexte Client Orange). The software allows finding and managing different accounts or plans of a particular customer.
- 2002 - 2004
Academia (France) - Private tuition in Mathematics
Tutored two pupils for two years for a leading French home school support company.
- 2002
August **Credit Agricole (France) - Clerk**
Assumed the task of counter clerk and customer receptionist in a major French bank.
- 2001
July - August **ARKEMA ex ATOFINA (France - Factory of "Mont") - Maintenance agent**
Assisted the network administrator, phone user support and repairing user's computers in a 700 machines park.

Education

- 2000 - 2005 **Degree of a French Engineering school with a five-year curriculum (MSc equivalent).**
EFREI (Paris) - A leading French Engineering school in Information Technology and Management.
- 2004 - 2005
June - May **International Student Exchange Program.**
NTU - Nanyang Technological University school of Computer Engineering.
- 2002
Oct - Dec **International Business Communication Exchange Program.**
London University (Birkbeck College).
- 2000 **National French "baccalauréat", Sciences (3 "A levels" equivalent).**
Lycée Fébus (France).

Languages

- French Native.
English Fluent.
Spanish Intermediate.
Mandarin Conversational and writing abilities (3 years study).

Extra-curricular Activities

- Cultural Trips Traveled extensively in Asia (Hong Kong, China, Japan, Malaysia...), USA and Western Europe.
Oenology Secretary of a Wine Appreciation Club : [Millesime](http://Millesime.com).
Hobbies Free Software (GNU/Linux Debian, L^AT_EX...), Half-Marathon runner, Karate, Mind-Teaser games, Chess.

IT Projects

- 2006
May - October
DRACCO G2R1 - Data Migration and upgrading existing applications
Aggregation of new inputs streams "SIVM" (Internet customers), "HVME" (Highly valued customers) and "Frégate" (Home phone customers) after the fusion between the companies : Orange, Wanadoo and France Télécom.
Involved in workshops with the client, writing of meeting reports and technical specifications.
Accomplished data migration first before upgrading DRACCO G2R0 according to the new physical data model.
Supported DRACCO G2R0 during testing campaign for official acceptance.
PowerAMC Designer, Toad, Oracle 9i, sqlldr, ksh, awk, Eclipse 3, CVS
- 2006
August
Reconstructor - customization of Ubuntu Linux Live CD
Involved in an open-source project gathering developers from different countries. In charge of the French translation of the user manual, integration of the Asian input method and a software based on asymmetric (public keys) cryptography.
Python, Pygtk, Ubuntu 6.06, mkisofs
- 2006
December - May
DRACCO G2R0 - Webservices EJB Java/J2EE
The aim of this project is to provide a front-end to a search engine (RMC). It allows to view customers who subscribed to different Orange's offers as a unique client.
Development was in Java 1.4 and had to meet tight performance criteria while supporting high availability and massive scalability : more than 1 To of data, 10 seconds maximum reply delay, 30 000 requests per hour.
In charge of benchmark, installation procedure and a message simulator that used Excel as front-end and Java as parser.
Eclipse 3, CVS, Jonas 3.3, Ant, EJB, UML, Design Pattern, ksh, Oracle 9i, Toad, WSDL, XML RPC/literal encoded, Axis, SOAP
- 2005
May
XML Technologies
Developed a xml/xslt based resume in order to manage efficiently different languages and file formats.
XML Schema, Xsltproc, Make, Python, Bash, xhtml strict 1.0, Latex (unicode and cjk packages)
- 2005
April
Webservices
Designed a Web-Based Nutritional Food Ordering System
UML, XML, SOAP
- 2005
April
Statistics - Simulation
Study of two types of queueing systems : the single-channel and the multiple-channels queues with the software [ARENA](#).
ARENA Simulations
- 2004
December
Neural Network
Implemented a RBF neural network to approximate the Ackley's function and study the different kernels (Linear, Gaussian...). the project used Meshach, a free library in C optimized for big Matrices.
C, Meshach (paquet Debian), Gnuplot, Latex
- 2004
May - June
Security - Cryptography
Initiated to set up a multiplatform (Sun Solaris, GNU/Linux, Windows NT) authentication system in the intranet of EFREI.
Mit Kerberos, GNU/Linux (Debian Woody), Apache 1.3
- 2003
Nov - April
3D Simulator
Designed and implemented the mathematical part of a car crash simulator. I worked in association with six other students that assumed the other tasks (network, databases, project management...).
STL/C++, OPEN GL, MS Project, V-Model Development Software
- 2003
February
Cryptography
Implemented a cryptographic software based on ([Miracl](#)) a big number library.
C++, Miracl
- 2002
Oct - Dec
Webdesign
Created a [W3C](#) compliant website at London University, ([Birkbeck College](#)).
PHP, CSS2, XHTML, XML, XSLT