

THOMAS LEPLUS

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EDUCATION

2003 – 2004 **Université de Montréal, Montréal, Canada**
Master of Science in Computer Science
Laboratory for Applied Research in Computational Linguistics

2000 – 2003 **École Française d'Électronique et d'Informatique, Paris, France**
Master Degree in Information Technology
Major in software engineering and project management

Fluent in English and French, basic Spanish

- 260/300 at the T.O.E.F.L. (Computer-Based Testing)
- 915/990 at the T.O.E.I.C.
- E.A.B.D. (Euro-American Business Diploma)

FINANCE

- Clearing (CCP): LCH.Clearnet, CME Clearing
- Trade Confirmation and Regulatory Repository: DTCC Deriv/SERV DS Match, TIW and GTR (OTC credit and interest rate derivatives), Euroclear Xtrakter (bonds, repos, equities and derivatives), CLS (FX)
- Trade Compression: TriOptima triResolve (OTC credit derivatives)

SOFTWARE DEVELOPMENT

Financial Software APIs

Advanced knowledge of the Calypso Java API, CLS C++ API

Financial Communication Protocols and Standards

SWIFT (ISO 15022 MT and ISO 20022 MX), DTCC, FpML, Trax

Java (J2SE and J2EE)

- Core Technologies: JDBC, RMI, JMS, JNDI, EJB, JPA, JTA, CDI, JAXB, java.util.concurrent
- Frameworks and Platforms: Spring, Hibernate, Jersey (JAX-RS), Java Web Start, ANTLR
- Others: Instrumentation API, Attach API, Java Debug Interface, JCA (Java Cryptography Architecture)

Other Languages

C, C++, SQL, PHP, Perl, Python, Groovy, JavaScript (Ajax, jQuery), HTML, CSS, XML, XSD, XSLT, XPath

Development Tools

Eclipse, Microsoft Visual Studio, Docker, Ant, Maven, Gradle, Subversion, Git, Jenkins, JIRA, FishEye

Profiling Tools

YourKit Profiler, Oracle JDK Tools (jps, jcmd, jconsole, jvisualvm, jstack, jmap, jhat, jstat, jinfo)

Quality Assurance Tools

Mercury Test Director and QuickTest, JUnit, jMock, EMMA, PMD, FindBugs, Checkstyle

Servers and Middleware

Oracle Database, Sybase, SQL Server, MySQL, Apache Web Server, Tomcat, JBoss Application Server (EAP), IBM WebSphere MQ, OpenSSL, OpenSSH, FTP, DHCP, Samba, Postfix

Operating Systems

Microsoft Windows, Apple Mac OS X, Unix (Sun Solaris), Linux (Debian, Ubuntu), FreeBSD

EXPERIENCE

- January 2007 – this day* SOFTWARE DEVELOPMENT ENGINEER
Calypso, San Francisco, United States
<http://www.calypso.com>
- October 2005 – December 2006* SOFTWARE QUALITY ASSURANCE ENGINEER
Calypso, Paris, France
<http://www.calypso.com>
- March – June 2005* SOFTWARE DEVELOPMENT ENGINEER
American Express Global Corporate Services, Sydney, Australia
Strategic Resource Management - Implementation
<http://www.americanexpress.com.au/cs>
- January – December 2004* RESEARCH ASSISTANT
Université de Montréal, Montréal, Canada
Laboratory for Applied Research in Computational Linguistics
<http://rali.iro.umontreal.ca>
- September – December 2003* TEACHING ASSISTANT
Université de Montréal, Montréal, Canada
Introduction to Algorithmics [sophomore/junior]
<http://www.iro.umontreal.ca>
- April – August 2002* JAVA DEVELOPER
Cryptolog, Paris, France
<http://www.cryptolog.com>

PUBLICATIONS

- *Approche en corpus pour la traduction : le cas METEO.*
Philippe LANGLAIS, Thomas LEPLUS, Simona GANDRABUR et Guy LAPALME.
TALN 2005, Dourdan, France, Juin 2005.
- *From the Real World to Real Words: the METEO case.*
Philippe LANGLAIS, Thomas LEPLUS, Simona GANDRABUR and Guy LAPALME.
EAMT 2005, Budapest, Hungary, May 2005.
- *The Long-Term Forecast for Weather Bulletin Translation.*
Philippe LANGLAIS, Simona GANDRABUR, Thomas LEPLUS and Guy LAPALME.
Journal of Machine Translation, Volume 19, Number 1, March 2005.
- *Etude de la traduction automatique des bulletins météorologiques.*
Thomas LEPLUS [master thesis].
Université de Montréal, Montréal, Canada, Novembre 2004.
- *Weather Report Translation using a Translation Memory.*
Thomas LEPLUS, Philippe LANGLAIS and Guy LAPALME.
AMTA 2004, Georgetown University, Washington, USA, September 2004.
- *A Corpus-based Approach to Weather Report Translation.*
Thomas LEPLUS, Philippe LANGLAIS and Guy LAPALME.
CLiNE 2004, Concordia University, Montréal, Canada, August 2004.

HOBBIES

- Mobile and Embedded Platforms (Arduino, Raspberry Pi, Android...)
- Home Automation
- Photography
- Travel