

THOMAS LEPLUS

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<https://www.leplus.org>

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)

INFORMATION SECURITY

Authentication

- Standards: SAML, Oauth, OpenID Connect, Multi-factor Authentication (MFA), TOTP, FIDO U2F
- Providers: Ping Identity PingFederate, Keycloak, SecureAuth

Application Security

- Static analysis: Sonatype Nexus Lifecycle, Black Duck Hub, Veracode Static Analysis (SAST), SonarQube, PMD, FindBugs
- Dynamic analysis: Veracode Web Application Scanning (WAS)

Network Security

- Penetration Testing: Burp Suite, Metasploit
- Network Analysis: Nmap, Wireshark
- Firewalls: iptables, Uncomplicated Firewall (Ufw)

SOFTWARE DEVELOPMENT

Cloud Platforms

Amazon Web Services (AWS), Heroku, Oracle Cloud, Red Hat OpenShift

Servers and Middlewares

NGINX, Apache Web Server, Tomcat, JBoss Application Server (EAP), Docker, Kubernetes, Kafka, IBM MQ, HornetQ, OpenSSL, OpenSSH, OpenVPN, Oracle Database, SAP Sybase ASE, SQL Server, MySQL, Bind, Dnsmasq, Samba, Postfix

Operating Systems

Microsoft Windows, Apple Mac OS X, Linux (Kali, Debian, Ubuntu, Red Hat), FreeBSD

Java (SE and EE)

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

Other Languages

Python, TypeScript, Go, JavaScript, Bash, SQL, HTML, CSS, C++, PHP, C, Groovy, Perl, XML

EXPERIENCE

- September 2017 – this day* INFORMATION SECURITY ARCHITECT
Calypso, San Francisco, United States
Architecture
<http://www.calypso.com>
- January 2007 – August 2017* SOFTWARE DEVELOPMENT ENGINEER
Calypso, San Francisco, United States
Back-Office - Collateral Management
<http://www.calypso.com>
- October 2005 – December 2006* SOFTWARE QUALITY ASSURANCE ENGINEER
Calypso, Paris, France
Back-Office
<http://www.calypso.com>
- March 2005 – June 2005* SOFTWARE DEVELOPMENT ENGINEER
American Express Global Corporate Services, Sydney, Australia
Strategic Resource Management
<http://www.americanexpress.com.au/cs>
- September 2003 – December 2004* RESEARCH AND TEACHING ASSISTANT
Université de Montréal, Montréal, Canada
Applied Research in Computational Linguistics
<http://rali.iro.umontreal.ca>
- April 2002 – August 2002* SOFTWARE DEVELOPMENT ENGINEER
Cryptolog, Paris, France
Solution de Signature Électronique
<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