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Curriculum Vitae

Professional experience

- Dec.2015-May.2016** Consultant Governance, Risk and Compliance at EBRC;
- ISO 27001 Gap Analysis
- Information Security Policies drafting
- Firewall Security Assessment (with AlgoSec)
- Nov.2014-Apr.2015** Senior security consultant at itrust consulting;
- Risk analysis consulting tasks with PSF companies in Luxembourg
- ISO 27001 internal audit
- Web application penetration testing with PSF companies in Luxembourg
- IT security trainings.
- Nov. 2010-Oct. 2014** Research associate at SnT, University of Luxembourg.
Research project *Dynosoar*: “*Security modeling and testing applied to security mechanisms*” (Budget: 257 k€) and ESA funded project DG-Trac “*dangerous goods tracking*”:
- Automated regression testing of access and usage control for Java apps.
- Refactoring of security component to improve performance
- Automated generation of protection profiles based on attack-defense trees
- Development of prototypes based in Java
- Supervision of PhD student from 2011-2014 (obtained *Outstanding grade*).
- Teaching tasks in the area of web application security testing and software testing.
- Oct.2007-Oct.2010** PhD in computer security:
- Automated testing and mutation analysis for access control policies in Java apps.
- MDE applied to security policies
- Shielding tool for web application against XSS attacks
- Prototype for automated penetration testing of web apps
- Protection against session-theft attacks
- Management of a team of 4 including 1 full time engineer and 3 interns.

Skills and certification in information security and IT

Certification ISO/IEC 27001 provisional Implementer – 02-mar-13.

- Programming** Java, C++, C#, PHP, C, Eiffel, SQL, Prolog, HTML, JS, Scheme, Caml, Coq, Lambda Prolog, AspectJ.
- Software and Security testing** JUnit, JWebunit, Selenium, EasyMock, Nexpose, OpenVAS, Metasploit, ModSecurity, XACML, JAAS, WebScarab, ZAP Proxy, NESSUS, Burp, Paros, SQLMap, Firebug, FindBug, Randoop, EvoSuite

