

Tejeddine Mouelhi
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Curriculum Vitae

Professional experience

- June.2017-** Consultant at altran, full-time at ArcelorMittal as IT Security Consultant:
- Web application security assessment
 - Information Security Incident responses
 - Email security assessment and incident response
- Jan.2017-May.2017** IT Security Consultant at itrust consulting;
- OWASP penetration testing
 - Information Security policies/procedures compliance checks
 - Computer forensics
- 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, Selenium, EasyMock, Nexpose, OpenVAS, Metasploit, ModSecurity, XACML, JAAS, WebScarab, ZAP, NESSUS, Burp, Paros, SQLMap, Firebug, FindBug, Randoop, Evosuite

Trainings and technical publications

Publications (2 book chapters, 4 journals, 22 conferences and workshops papers). Selected publications:

- Tailored Shielding and Bypass Testing of Web Applications. ICST (2011)
- Inroads in Testing Access Control, Advances in Computers volume 99 (2015)
- A Toolchain for Model-Based Design and Testing of Access Control Systems, Modelsward (2015).
- Similarity testing for access control, IST (2014)
- Refactoring access control policies for performance improvement, ICPE (2012)
- Towards a Full Support of Obligations In XACML, CRiSIS (2014)
- Conviviality-driven access control policy, REJ (2014)

Trainings:

- *Programming and Software Testing*: Bachelor level (UML, Java, JUnit, JWebUnit, JMeter).
- *Security Engineering, intro. to SE research*: Master level (OWASP Top 10, Access control modeling)

University degrees

2013	Master in management information system security management from the university of Luxembourg, Master thesis title: « Attack-Defense-Tree Driven Creation of Protection Profiles ».
2010	PhD in computer science from Telecom Bretagne and university of Rennes 1, Mention: <i>Très Honorable (very good)</i> . Title: « Testing and Modeling Security Mechanisms in Web applications ».
2007	Master of research in computer science for IFSIC, at the university of Rennes 1. France. Subject of the Master thesis: « Mutation Analysis Applied to Security Tests ».
2005	Bachelor in Computing applied to Management « MIAGE » from IFSIC, at the university of Rennes 1.

Languages and other activities

Languages: French (C1), English (C1), Luxembourgish (B1.1)

- Other activities:**
- Member of CLUSIL and Yajug;
 - Co-organizer of workshops A-MOST'13 and '14 and Mutation'14 (on testing).
 - Participation to crowd testing online: <http://www.utest.com>

5-Jul-19