

JORDANEY ROBERTO

PERSONAL INFORMATION

Born date 11/05/1988
Email jordaney.roberto@gmail.com
Telephone +44 7477 29 68 93
[LinkedIn](#) — [Website](#)

EDUCATION

PERIOD September 2014 — February 2019
DEGREE PhD in Information Security
UNIVERSITY Royal Holloway University of London London, United Kingdom
My PhD aimed to apply statistical learning methods in the field of systems security. In particular, I developed a framework to detect concept drift on pre-existing models. The framework provides also insights to help the design of new and better models.

PERIOD September 2007 — March 2013
DEGREE Bachelor and Master of Science in Computer Science
UNIVERSITIES 2011-2012: EURECOM University (double degree) Sophia Antipolis, France
2009-2011: Polytechnic of Turin Turin, Italy
2008-2009: Tongji University (exchange program) Shanghai, Cina
2007-2008: Polytechnic of Turin Turin, Italy

EXPERIENCE

PERIOD March 2020 — Now
POSITION Security Researcher — F-Secure
TECHNOLOGIES Python, Elastic Stack, Amazon Web Services
The goal of the project is to develop next generation of cyber defences in the cloud environment to detect from common attacks to APTs.

PERIOD April 2019 — February 2020
POSITION Research Engineer — HP Inc.
TECHNOLOGIES Python, Blockchain, Hyperledger Sawtooth, Docker, AWS
The goal of the project was to design and build a shared blockchain-based infrastructure to support the development of new applications. This infrastructure leads to save money and development time but opens new trust challenges.

PERIOD July 2018 — April 2019
POSITION Post-Doc Research Assistant Royal Holloway University of London, UK
PROJECT FutureTPM [FutureTPM WebSite](#)
The goal of the project was to develop the next generation of TPM that incorporates quantum resistant cryptographic primitives. I was in charge to develop a module that enables virtualized environment to benefit from TPM functionalities.

PERIOD September 2014 — June 2018
POSITION Teaching Assistant Royal Holloway University of London, UK
Software Security (2015/2016, 2016/2017 and 2017/2018)
Technical tutor for the master's course exercises of web and network security.
Computer and Network Security (2015/2016, 2016/2017 and 2017/2018)
Technical tutor for the bachelor's course exercises of web and network security.
Security Testing (2016/2017)
Tutor for the bachelor's online course.
Smart Cards, RFIDs and Embedded Systems Security (2017/2018)
Tutor for the master's course exercises.

POSITION	Intern and Junior Researcher — SAP Labs France	(Sophia Antipolis, FR)
PERIOD	July 2012 — June 2013	
TECHNOLOGIES	Java, HTML, javascript, XML, WSDL, AJAX, SOAP, Apache Tomcat	
	I worked on the ASA (Architecture Security Advisor) internal project that aimed to provide security at early stages of the application development lifecycle, identifying potential security violations and providing mitigations. It produced a MS Visio plug-in to enable the analysis. Later on I worked on the European Project PoSecCo with the aim to establish and maintain a link between high-level requirements and low-level technical configuration settings.	

OTHER EXPERIENCE

PROJECT	Malware Download Prediction	University of Georgia, Georgia, USA
PERIOD	August — November 2017	
TECHNOLOGIES	Python, shell scripting, Apache on Linux server, Apache log	
	The project involved predicting binary downloads as legitimate application or malware. The prediction is based on the history of visited urls by the downloading entity.	

PROJECT	Web Honeypot Analysis	EURECOM, Sophia Antipolis, France
PERIOD	February — June 2012	
TECHNOLOGIES	Python, shell scripting, Apache on Linux server, Apache log	
	The semester project involved logs analysis of a web honeypot to highlight possible attack patterns and common exploitation techniques. It was published by Canali D. and Balzarotti D., “Behind the scenes of online attacks: an analysis of exploitation behaviours on the web.”, NDSS 2013. (thanks note on the presentation slides).	

POSITION	Consultant — Reply SPA	(Turin, Italy)
PERIOD	December 2013 — March 2014	
TOOLS & TECHNOLOGIES	MySQL, PowerShell scripts, PGP, DLP, classification tools, Symantec PGP, Symantec DLP, Boldon James Classifier, NXLog	
	The project involved the technological upgrade of FIAT environment regarding the management of its sensitive data. My role involved studying and testing the impact of the new introduced technologies in Turin’s headquarters (1.200 people affected).	

MISCELLANEOUS

Main Publications:	<ul style="list-style-type: none"> Jordaney R, Sharad K, Dash K S, Wang Z, Papini D, Nouretdinov I, and Cavallaro L. Transcend: Detecting concept drift in malware classification models. In <i>26th USENIX Security Symposium (USENIX Security 17)</i>, pages 625-642, USENIX Association. Pendlebury F., Pierazzi F., Jordaney R., Kinder J., Cavallaro L. TESSERACT: Eliminating Experimental Bias in Malware Classification across Space and Time. To appear in <i>28th USENIX Security Symposium (USENIX Security 19)</i>, USENIX Association
Sys Admin:	Administration of the virtual environment of the System Security Research Lab (S2Lab), including website, research/production VMs and networks.
CTF:	Online and onsite player with the University Team ; <i>Responsible Disclosure Award</i> at Sasakawa USA CTF 2018 ; <i>Assessor</i> for Cyber Security Challenge UK 2018 ; 2 nd place at the London Metropolitan University CTF 2017 ; 3 rd place at the Deloitte CTF 2016 ; National Olympic ABACUS in Informatics 2006: 10 th over 34
Open Source:	I created the ReFresh Theme for Hugo (static website generator)
Hackathon:	Data Study Group (DSG) at Alan Turing Institute in London 2018; Cyber Hack 2015 ; Build the News 2015 ;
Summer School	Advanced Statistics and Data Mining Summer School 2016 : focused on theory of various machine learning models such as SVM, decision trees and neural networks; UbiCrypt 2015 : focused on systems security and code-reuse attacks.
Spoken Languages:	English & French: very good written and oral skills. German & Chinese: basic knowledge. Italian: native language.
Tools & Technologies:	Blockchain, Docker, AWS, Hyperledger Sawtooth, C, CUDA, Java, Python, HTML, XML, javascript, SQL, VHDL, Assembly x86, Shell scripting, SVN, GIT, latex, Apache, NGINX, MySQL, Eclipse, VMware technologies