Víctor Leonel Orozco López

Education

2012-2013	**Master of Science (MSc), Computer Science** Universidade Federal de Santa Maria (RS, Brazil) GPA: 3.84
2005-2009	**Bachelor of Science (BSc), Computer Science and Information Systems** Universidad de San Carlos de Guatemala (Guatemala City, Guatemala) Academic credits finished in record time (9 of 10 Semesters)

Certifications

2008	**Oracle Database Administration** TATA Consultancy Services and India-Guatemala IT Education Centre of Excellence Universidad de San Carlos de Guatemala

Msc. Dissertation

Title	**Risk assessment in information security: Quantification of trust as a parameter for human biases reduction**
Advisor	Prof. Dr. Raul Ceretta Nunes
Description	This dissertation explored the possibility of using computational techniques (specifically Social Network Analysis) to quantify trust in risk treatment context. Trust notion is used to improve risk assessment accuracy and the effectiveness of security investments.

Experience

2012-2013	**CAPES Msc. fellow** Universidade Federal de Santa Maria Research activities in the Msc. in Computer Science program, member of the research group "Administration and Technologies in Information Security (Gestão e Tecnologia em Segurança da Informação)".
2010-2012	**JEE Software Architect** Soluciones Estrategicas S.A. Software analysis and design, SOA development, mobile platforms development (Android, Blackberry and iOS), IT infrastructure design, FLOSS consultancy, high throughput algorithms, JEE specialist.
2009-2010	**Freelance Developer** Open Training Java Web Development (Servlets, JSP, JSTL, persistence), Struts, Oracle Administration.
2005-2010	**IT Consultant** Asociación de Proyectos de Desarrollo IT infrastructure administration, software implementation, assistance and support, Linux server administration.
2008-2009	**Teaching assistant** Universidad de San Carlos de Guatemala Software Analysis and Design aux. instructor Operating Systems aux. instructor

IT Strengths

Languages	Java, Scala, Python, C, C++, HTML, CSS, TeX
Platforms	JEE, JSE, JME, JavaFX, Android, iOS, Spring, Struts, QT
Databases	MySQL, PostreSQL, MongoDB
CS areas	Software Engineering, Information Security, Social Network Analysis

Awards

2011	**Grad School Scholarship** OEA-GCUB Schoolarship Program First Generation - Selected between 5000 applicants

Languages

Spanish	Native
English	Professional working proficiency
Portuguese	Full professional proficiency CELPE-Bras Certificate 201301002452

Publications

- **A new approach to improve accuracy in information security risk management.**
  LÓPEZ, V. L. O. ; NUNES, R. C.
  Eighth International Conference on Digital Society (ICDS 2014), 2014, Barcelona, Spain. IARIA, 2014. v. 1. p. 1-6.

- **Opinions classification in information security risk assessments with social networks analysis.**
  LÓPEZ, V. L. O. ; NUNES, R. C.
  Brazilian Workshop on Social Network Analysis and Mining (BraSNAM), 2013, Maceió, Alagoas. XXXIII Congresso da Sociedade Brasileira de Computação (CSBC 2013).

- **Building Situation Awareness to Monitor Critical Infrastructures.**
  PETRI, Giani ; NUNES, R. C. ; SANTOS, O. M. ; CEOLIN JUNIOR, T. ; LÓPEZ, V. L. O.
  Latin-American Symposium on Dependable Computing, 2013, Rio de Janeiro-RJ.

- **KBAM: Data Model of a Knowledge Base for Monitoring Attacks.**
  PETRI, Giani ; NUNES, R. C. ; SANTOS, O. M. ; CEOLIN JUNIOR, T. ; LÓPEZ, V. L. O.
  Latin-American Symposium on Dependable Computing, 2013, Rio de Janeiro-RJ.

- **Definição do Comitê de Análise/Avaliação de Riscos Baseado em Competências.**
  Primão, A. P. ; NUNES, R. C. ; LÓPEZ, V. L. O.
  XII SEPROSUL Semana de Engenharia de Produção Sulamericana, 2012, Assunção-Paraguai: UNA, 2012. v. 01. p. 01-11.

- **Distributed compilation with Distcc and Icecream clusters using Gentoo, a benchmarking study case.**
  LÓPEZ, V. L. O. ; LOBOS, J. F.
  Workshop Software Livre 2012, 2012, Porto Alegre, Rs. Anais do WSL 2012. Porto Alegre, Associação Software Livre.Org., 2012.

Talks[1]

- Getting started with Free Software • Latin American Festival of Free Software - San Marcos, Guatemala • Abr 2014
- Security on WiFi Networks • CIETEC Professional Education School - Santa Maria, RS, Brazil • Dec 2013
- High performance and flexibility with Gentoo Linux • Fórum Software Livre Tchelinux.org - Santa Maria, RS, Brazil • Dec 2012
- New features in Java 7 • Java Day Guatemala - Guatejug • Oct 2011
- Java security and frameworks • OWASP Day Guatemala • Ago 2011
- Java as development platform • Guatemalan Congress of Free Software • Nov 2010

- Java applications development with QT Jambi • Guatemalan Congress of Free Software • Oct 2010
- A brief introduction to the Java language • Third Engineering Congress - Universidad Mesoamericana de Guatemala - Quetzaltenango, Guatemala • Ago 2009
- Linux security fundamentals • Second Engineering Symposium - Universidad Rafael Landivar - Quetzaltenango, Guatemala • Ago 2009
- SOA, WEb Services and other stuff - Second Barcamp - Universidad de San Carlos de Guatemala • Jul 2009
- Free Software in Guatemala • Free Software Saturdays - Linux Users Group - Universidad de San Carlos de Guatemala • Jul 2009
- Using Hibernate as ORM in JDeveloper • Guatemalan Congress of Computer Science and Information Systems • Abr 2009
- Developing OOP applications with Netbeans • Science and Technology convention - Universidad Mariano Galvez - San Marcos • Sept 2008
- Creating Java applications with Netbeans RCP • Guatemalan Congress of Free Software • Ago 2008
- Getting started in Linux with Ubuntu • Linux Users Group - San Marcos, Guatemala • Mar 2008

Other interests

Backpacking, running, natural languages, science and free software advocacy.

References

- **Ing. Andrea Rodas**
  General Department of Research • Universidad de San Carlos de Guatemala
  andyscreations2012 <at> gmail <dot> com

- **Inga. Maria Castillo**
  Academic coordinator - CS Program • Universidad Rafael Landivar
  carmen.castillo <at> gmail <dot> com

- **Ing. Javier Gramajo**
  CEO • SQMOS
  jgramajo <at> gmail <dot> com

- **Ing. Jose Lobos**
  Bsc. thesis advisor • Universidad de San Carlos de Guatemala
  joseflobos <at> gmail <dot> com

- **Ing. Ricardo Morales**
  Tenured professor - CS Program • Universidad de San Carlos de Guatemala
  ricardo.moralesp <at> gmail <dot> com

- **Ing. Antonio Sobalvarro**
  CEO • Soluciones Estrategicas
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- **Prof. Dr. Raul Ceretta Nunes**
  Msc. dissertation advisor • Universidade Federal de Santa Maria
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- **Prof. Dr. Ana Trindade Winck**
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Blog (Spanish) • LinkedIn
CV's source at: GitHub

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1. Most of these are available at Slideshare↵