



Víctor Leonel Orozco López

"One of my most productive days was throwing away 1000 lines of code" - Ken Thompson

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
- 2008 **JEE 6 Java Development**
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

- 2013-currently **Associated Professor**
[Universidad Rafael Landivar de Guatemala](#)
Part-time professor of introduction to computers programming course.
- 2013-currently **CTO/Founder**
[Nabenik](#)
Joint venture focused on research and development of IT solutions and innovation management.
- 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, Richfaces, PostgreSQL Administration, 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	Oracle, MySQL, PostgreSQL, MongoDB
CS areas	Software Engineering, Information Security, Social Network Analysis

Awards

2011

Grad School Scholarship

OEA-GCUB Scholarship 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

Talks¹

- 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 Tchelinix.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 activities

- 2013-currently ***Gentoo Linux Spanish translation team***
Gentoo Foundation
- 2012-currently ***JUG advisory committee member***
Guatemalan Java Users Group
- 2011-2012 ***JUG Leader***
Guatemalan Java Users Group
- 2009-2010 ***Coordinator/Country leader***
Latin American Festival of Free Software

Other interests

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

References

- ***Inga. Msc. Andrea Rodas***
General Department of Research
Universidad de San Carlos de Guatemala
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- ***Inga. Maria Castillo***
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- ***Ing. Javier Gramajo***
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- ***Ing. Jose Lobos***

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Universidad de San Carlos de Guatemala
joseflobos <at> gmail <dot> com

- **Ing. Ricardo Morales**

Tenured professor
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- **Ing. Antonio Sobalvarro**

CEO
Soluciones Estrategicas
as <at> mobilges <dot> com

- **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](#)

[Spanish](#) • [Portuguese](#)

1. Most of these are available at [Slideshare](#)↔