Víctor Leonel Orozco López

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

Personal Details

E-mail	me@vorozco.com
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Website	http://vorozco.com/
Age	29 years old

Education

2012-2013	**Master of Science (MSc), Computer Science** Focus area: Information security Universidade Federal de Santa Maria (RS, Brazil) GPA: 3.84/A-
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

2017	**Oracle Certified Associate, Java SE 8 Programmer** Oracle Corporation
2008	**Oracle Database Administration** TATA Consultancy Services and India-Guatemala IT Education Centre of Excellence Universidad de San Carlos de Guatemala
2008	**JavaEE 6 Java Development** TATA Consultancy Services and India-Guatemala IT Education Centre of Excellence Universidad de San Carlos de Guatemala

Awards

2016	**Duke's Choice Award** Oracle Corporation Community award for "The Duke's Adventures" Project
2011	**Grad School Scholarship** OAS-GCUB Scholarship Program First Generation - Selected between 5000 applicants

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

2014-currently	**CTO/Founder** Nabenik Joint venture focused on research and development of IT solutions and innovation

management.

2016-currently	**Assistant Professor**
	Universidad Rafael Landivar de Guatemala
	Computer Science Department. Covering Artificial Intelligence and Modeling and Simulation areas.
2016	**Instructor**
	Edx.org - Galileo University
	Instructor and content creator for the "Java Fundamentals for Android" course, first english Micromaster produced in Latin America for edx.org
2014-2015	**Associated Professor**
	Universidad Rafael Landivar de Guatemala
	Part-time professor in introduction to computers programing course.
2012-2014	**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	**JavaEE 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, JavaEE 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	JavaEE, JavaSE, JavaME, JavaFX, Android, iOS, Spring, Struts, QT
Databases	Oracle, MySQL, PostreSQL, MongoDB
CS areas	Software Engineering, Information Security, Social Network Analysis

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.

Highlighted Talks [1]

- Microservices With Java 8 and Java EE 7 • III CONING 2017 - Trujillo, Peru • Oct 2017
- Microservices Data Patterns: CQRS and Event Sourcing • Java One 2017 - San Francisco, CA, United States • Oct 2017
- Microservices With Java 8 and Java EE 7 • Java Cloud Day 2017 - Mexico City, Mexico • Aug 2017
- Reaching the Java Lambda Heaven • DevNexus - Atlanta, GA, United States • Feb 2017
- Increasing the Maturity of Our Java User Groups • Java One - San Francisco, CA, United States • Sep 2016
- A new approach to improve accuracy in information security risk management • Eighth International Conference on Digital Society - Barcelona, Spain • Mar 2014
- Security on WiFi Networks • CIETEC Professional Education School - Santa Maria, RS, Brazil • Dec 2013
- Opinions classification in information security risk assessments with social networks analysis • XXXIII Congresso da Sociedade Brasileira de Computação (CSBC 2013) - Maceio, AL, Brazil • Apr 2013
- High performance and flexibility with Gentoo Linux • Fórum Software Livre Tchelinux.org - Santa Maria, RS, Brazil • Dec 2012
- Distributed compilation with Distcc and Icecream clusters using Gentoo, a benchmarking study case • Forum Internacional de Software Livre (FISL) - Porto Alegre, RS Brazil • Apr 2012

Talks [2]

- Bootstraping Java EE 7 Applications with Eclipse Neon and JBoss Forge • Java Day Guatemala - Guatejug • July 2016
- Privacy vs Open Data • Technologies for crime prevention forum • Ministerio de Gobernación Guatemala • Mar 2016
- Functional development with Java 8 • Java Day Guatemala - Guatejug • Oct 2015
- HTML5 applications with Java EE and AngularJS • V Engineering Congress - USAC-Cunori - Chiquimula, Guatemala • Oct 2015
- Getting started with Git • VIII Engineering Symposium - Universidad Rafael Landivar - Quetzaltenango, Guatemala • Oct 2015
- Java 8: Functional than ever • Technology Transference Department - ECYS/USAC • Sept 2015
- State and challenges of Information Security • VII Engineering Symposium - Universidad Rafael Landivar - Quetzaltenango, Guatemala • Oct 2014
- Myths and realities of Java Security • Java Day Guatemala - Guatejug • Oct 2014
- Getting started with Free Software • Latin American Festival of Free Software - San Marcos, Guatemala • Abr 2014
- 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 • II 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

2016-currently	***JUG Leader***
	Guatemalan Java Users Group
2013-2015	***Gentoo Linux Spanish translation team***
	Gentoo Foundation
2012-2015	***JUG board 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
  andyscreations2012 <at> gmail <dot> com

- ***Inga. Maria Castillo***
  Academic coordinator
  CS Program • Universidad Rafael Landivar
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- ***Ing. Javier Gramajo***
  CEO • SQMOS
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- ***Ing. Jose Lobos***
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  Universidad de San Carlos de Guatemala
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- ***Ing. Ricardo Morales***
  Tenured professor
  CS Program • Universidad de San Carlos de Guatemala
  ricardo.moralesp <at> gmail <dot> com

- ***Ing. Antonio Sobalvarro***
  CEO
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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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1. Most of these are available at Slideshare ↵
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