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
Phone number	+502 58783901
Website	http://vorozco.com/
Age	31 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

2018	**Oracle Certified Professional, Java SE 8 Programmer** Oracle Corporation
2018	**Principles of Reactive Architecture** IBM - Lightbend
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

Awards

2015	**Oracle Groundbreakers Ambassadors** Oracle Corporation Oracle Groundbreakers Ambassador are professionals with experience in modern software developmen, in areas like Cloud, Microservices, Containers, Java, Devops and Open Source technologies. Frecuent speakers in top developer conferences like DeveloperWeek, DevNexus, Devoxx, Oracle Code One and QCon.
2018	**Java Champion** Oracle Corporation The Java Champions are an exclusive group of passionate Java technology and community leaders who are community-nominated and selected under a project sponsored by Oracle. Java Champions get the opportunity to provide feedback, ideas, and direction that will help Oracle grow the Java Platform
2016	**Duke's Choice Award** Oracle Corporation Educational outreach 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

2018-2019	**Vicepresident of the information sciences comission**
	Senacyt
	Vicepresident on the national information science commission on the nacional science an technology system.

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, JavaScript, Kotlin, Scala, Python, C, C++, HTML, CSS, TeX
Platforms	Java EE, Java SE, Java ME, Angular, Java FX, Android, iOS, Spring, 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]

- Take advantage of MicroProfile benefits in your monolithic applications • The Developer Conference - Porto Alegre, RS, Brasil • Nov 2019
- Take advantage of MicroProfile benefits in your monolithic applications • Oracle Code One - San Francisco, United States • Sept 2019
- Kotlin+MicroProfile: Teaching 20 year old tricks to a new language • Oracle Groundbreakers Tour - Panama City, Panama • Aug 2019
- Kotlin+MicroProfile: Teaching 20 year old tricks to a new language • The Developer Conference - São Paulo, Brazil • Jul 2019
- MicroProfile for the busy developer • Es-Conference CDMX - CDMX, México • Mar 2019
- MicroProfile for the busy developer • The Developer Conference - Porto Alegre, RS, Brasil • Dic 2018
- Introduction to Java EE 8 with Payara 5 • Comunidad Hipana JUGs - jEspañol • Jul 2018
- Functional Microservices with Java 8 and Java EE • JavaUp - Instituto Politecnico Nacional, CDMX, México • Abr 2018
- Functional Microservices with Java 8 and Java EE • DevNexus - Atlanta, GA, United States • Feb 2018
- 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]

- Introduction to Microservices with Eclipse MicroProfile and Java EE • Oracle Developer Tour LA - GOUG, Guatemala • Ago 2018

- 101 on securing Java EE 7 and 8 Applications OWASP Latam Tour May 2018 • OWASP Latam Tour 2018 - OWASP • July 2018
- 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
  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
  as <at> mobilges <dot> com

- ***Prof. Dr. Raul Ceretta Nunes***
  Msc. dissertation advisor
  Universidade Federal de Santa Maria
  ceretta <at> inf <dot> ufsm <dot> br

- ***Prof. Dr. Ana Trindade Winck***
  Tenured professor
  CS Program • Universidade Federal de Santa Maria
  ana <at> inf <dot> ufsm <dot> br

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1. Most of these are available at Slideshare ↵
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