

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
Website <https://vorozco.com/>
Age 34 years old

Education

2012-2013 **Master of Science (MSc), Computer Science**
Research 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

2021 **CKA: Certified Kubernetes Administrator**
The Linux Foundation

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

2022 **Oracle ACE Pro**
[Oracle Corporation](#)
The Oracle ACE Program recognizes and rewards individuals for their contributions to the Oracle community. These technical experts and community leaders share their knowledge and experiences through making presentations; writing blog posts, articles, and books; and more.

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	<i>Risk assessment in information security: Quantification of trust as a parameter for human biases reduction</i>
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 Nabenik Joint venture focused on research and development of IT solutions and digital maturity. Responsible for leading DevOps and Software Development efforts, including R&D, developers training and external consultancy activities.
2020-currently	Lecturer Universidad de San Carlos de Guatemala, Centro Universitario de Occidente Computer Science Department. Acting as lecturer in IT organizational and management system courses.
2016-currently	Lecturer Universidad Rafael Landivar de Guatemala Computer Science Department. Covering Artificial Intelligence, Simulation and Compilers areas.
2018-2019	Vicepresident of the information sciences comission Senacyt Vicepresident on the national information science commission on the nacional science an technology system.
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. researcher 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	Java EE 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, Java EE 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 and Operating Systems teaching assistant

IT Strengths

Languages	Java, JavaScript, Kotlin, Scala, Python, C, C++, HTML, CSS, TeX
Platforms	Jakarta EE, Java SE, 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

- MicroProfile: A World Beyond REST APIs • Java One 2022 - San Francisco, CA, United States • Oct 2022
- From Traditional to GitOps: A Tale of Modernizing Two Government Institutions in One Year • Open Source Summit Latin America - Virtual • Aug 2022
- Creating CLI tools with GraalVM Native and Kotlin • JVM Barranquilla - Barranquilla, Colombia • Nov 2021
- Microservices Patterns with MicroProfile • The Developers Conference/Oracle - Porto Alegre, Brasil • Dec 2020
- Securing Java EE applications for the OWASP Top 10 • Ekoparty University Talks - BS, Argentina • Nov 2020
- From the TV to the Cloud, the Java ecosystem in 25 years • Oracle - LATAM • Oct 2020
- Kotlin for Java Developers • Colegio de Ingenieros de Guatemala - Guatemala • Sep 2020
- From Java 11 on premise to Java 14 to the Oracle Cloud • Oracle Groundbreakers Tour LATAM • Aug 2020
- Evaluating Java security with OWASP Top 10 • JUG Merida Meetup - Merida, México • May 2020
- Java a language dying 25 years ago • IFF Meetup - RS, Brasil • May 2020
- From Java 8 on premise to Java 14 on the Cloud • Mitoweeek Conference, Peru • May 2020
- From Java 8 to Java 14 • SOUJava Meetup - São Paulo, Brasil • Mar 2020
- 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 Tchelinix.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

Talks²

- The Open Source State in 2022 • PMI Guatemala Meetups - Guatemala • Mar 2022
- Considerations for migrations between on premise and Cloud Native • PMI Guatemala Meetups - Guatemala • Mar 2022
- Microservice Chassis vs. Service Mesh • Kubernetes Community Days Guatemala - Guatemala • Nov 2021
- Serverless with FN Project • Colegio de Ingenieros de Guatemala - Guatemala • Nov 2021
- From Java 8 to Java 17 • Colegio de Ingenieros de Guatemala - Guatemala • Oct 2021
- Microservices Patterns with MicroProfile and Oracle Cloud • Colegio de Ingenieros de Guatemala - Guatemala • Nov 2020
- The current state of languages in the JVM • Congreso de Estudiantes de Ingenieria (CEI) - Guatemala • Oct 2020
- Java Projects Management with Maven • Colegio de Ingenieros de Guatemala - Guatemala • Oct 2020
- Kotlin for Java Developers • Colegio de Ingenieros de Guatemala - Guatemala • Sep 2020
- Evaluating Java security with OWASP Top 10 • JUG Merida Meetup, Mexico • Aug 2020
- From Java 8 to Java 14 • SOUJava Meetup, Brazil • Mar 2020
- 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
- Bootstrapping 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

	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**
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Universidad de San Carlos de Guatemala
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- **Prof. Dr. Raul Ceretta Nunes**
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- **Prof. Dr. Ana Trindade Winck**
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LinkedIn • CV's source at: [GitHub](#)
Spanish • Portuguese

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