Hugo Armando Gualdron Colmenares

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Master in Science at the University of São Paulo (USP) – Brazil with research internship at the Georgia Institute of Technology under supervision of Duen Horng Chau. Systems Engineer at the Industrial University of Santander (UIS) – Colombia. I have strong coding skills in Java and C++. I am certified in Java Standard Edition and in web development using the framework Vaadin. During my master's, I focused my research in algorithms for processing and visualization of graphs that do not fit in main memory.

Education

02/13 –12/15	**Master in Computer Science and Computational Math**, *University of São Paulo, USP*, São Carlos, Brazil, *GPA – A*.
02/06 –12/11	**Systems Engineer**, *Industrial University of Santander, UIS*, Santander, Colombia, *GPA – 4.3/5.0*. 2nd best student of the 2011 class

Academic Honors and Awards

2014	**FAPESP Research Internship Abroad**, *Brazil*.
2013 - 2015	**FAPESP M.Sc. Scholarship**, Brazil.
2011	**Cum Laude Diploma**, *Industrial University of Santander*, Colombia.
2010	**Advance Programming Award**, *Dinamis 40 years*, School of Engineering and Computer Systems, Industrial University of Santander, Colombia.
2010	**2nd Place in a grain of sand against child labor**, *Telefonica Foundation*, Campus Party Colombia.

Experience

01/11–01/13	**Software Developer**, Biosys Ltda., Bucaramanga, Colombia.
01/09–06/09	**Software Developer**, Creando Soluciones Informáticas Ltda., Bucaramanga, Colombia.
06/08–11/08	**Software Developer Junior**, Mayasoft Ingeniería Ltda., Bucaramanga, Colombia.

Teaching Experience

Courses	**Object Oriented Programming**, *22951*, semester 2-2012. Industrial University of Santander. Two groups with 25 students each one..
Teaching Assistant	**Laboratory of Databases**, *SCC0241*, Instructor: José Fernando Rodrigues Júnior, semester 1-2014. ICMC, University of São Paulo.

Laboratory of Databases, *SCC0241*, Instructor: José Fernando Rodrigues Júnior, semester 2-2013. ICMC, University of São Paulo.

International Certifications

2014 Vaadin 7 Certified Developer. Vaadin Ltd

2011 Oracle Certified Professional, Java SE 6 Programmer. Oracle Corporation

Skills

Programming Languages
Java, C++, Matlab, Javascript, HTML, PL/SQL, SQL

Frameworks and Libraries
Vaadin, Struts, Hibernate, JPA, OpenCV, Gephi, GraphChi, JavaCPP, JNI, JavaCV, JasperReports, OpenJPEG, Java Enterprise Edition JEE

Databases
PostgreSQL, MySQL, Oracle, Microsoft SQL, Apache Derby

Languages
Spanish (Native), Portuguese (Advance), English(Advance)

Publications

Conference
StructMatrix: billion-scale visualization of planetary graphs by means of structure detection and dense matrices, *Gualdron, Hugo and Cordeiro, Robson and Rodrigues Junior, Jose Fernando*, IEEE ICDM DaMNet, 2016.

Multimodal graph-based analysis over the DBLP repository: critical discoveries and hypotheses, *Gabriel P. Gimenes, Hugo Gualdron, Jose F. Rodrigues, Jr., and Mario Gazziro*, ACM SAC, 1129-1135, 2015.

Supervised-learning link recommendation in the DBLP co-authoring network, *Gimenes, G.P.; Gualdron, H.; Raddo, T.R.; Rodrigues, J.F.* , IEEE PERCOM Workshops), 563-568, 2014.

Elimination of blurred images of cellular fields to virtualize a slide, *Garces, L, Gualdron, H, Gomez, A*, IEEE STSIVA, 183,189, 2012.

Journals
Study and development of a telemicroscopy technique applicable in rural areas of Colombia, *Gualdron Colmenares, Hugo Armando, Bautista Rozo, Lola Xiomara, Romero Rondon, Miguel Fabian, Sanabria Rosas, Laura Melissa*, Revista Gerencia Tecnológica Informática, 13(37), 69-79. ISSN 1657-8236. 2015.

Study of technologies to implement IP telephony in an organization, *Rosas, L. M. S. ; Gualdron, H. ; Carreño, D. C. T. .*, Gerencia Tecnologica Informatica, v. 11,p. 45-50, 2012.

Sistemas de Telecitología como alternativa en la detección de cáncer de cuello uterino en Colombia, *Rodriguez, L. M. G. ; Gualdron, H. ; Abaunza, V. E. M. ; Mendoza, A*, Revista Colombiana de Tecnologías de Avanzada, v. 2, p. 70-70, 2011.