ROXANA VELAZQUEZ

SOFTWARE DEVELOPER

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Proactive professional with 5+ years experience developing software. Strong programming skills with solid understanding in object oriented programming. Passionate about solving complex problems and building innovative applications. Excellent leadership, project management and communication skills. Seeking to succeed in a stimulating, challenging environment while constantly learning and adding to my set of skills.

SKILLS

Back-end: Java, MySQL, Spring MVC, Apache Tomcat, C/C++.

Front-end: JavaScript, jQuery, JSON, AJAX, Bootstrap.

Developer Tools: GitHub, IntelliJ, Visual Studio, Code Blocks, Matlab, LabView, CCS, Quartus, Proteus, Altium, Gimp, AutoCAD.

EDUCATION

Full Stack Web Developer
Codeup, San Antonio, Texas
Mar 2017 - Jul 2017

MSc Electrical Engineering
CINVESTAV Guadalajara, Mexico
Sep 2014 - Aug 2016

MSc Electronic Systems Design
Microelectronics Research Center, Cuba
Sep 2011 - Jun 2014

BSc Automation Engineering
Havana University of Technology Jose Echeverria
Sep 2005 - Jul 2010

PUBLICATIONS

Implementation and Performance Analysis of a Radix-2 Decimation in Time FFT/IFFT. SOMI XXX, Instrumentation Congress. Durango, Mexico. Oct 2015.

Characterization of Passive Filters using Virtual Instrumentation. RIELAC Magazine, Vol XXXV, ISSN 1815-5928. Jun 2014.

AWARDS

Coding Challenge - First Place
Geekdom Event Center, *May 2017*

EXPERIENCE

Student, Codeup, *Mar 2017 - Jul 2017*
Capstone Project: Get It (https://get-it.press)
Java| Spring MVC |MySQL | JavaScript | jQuery| Bootstrap| CSS| HTML
- Built a full-stack web application where, users can create shareable groceries shopping lists picking from 100's of built-in items from 10 categories, scan a barcode using a webcam and create their own items. Users can also save recipes, and then import those ingredients to any existing grocery list.

Mater Degree Student, CINVESTAV, *Sep 2014 - Aug 2016*
Master's Thesis: Vision based system for vehicle detection, tracking and classification (It *will be published in the Sensors Magazine*)
Computer Vision | Gaussian Mixture Model | Kalman Filter | Occlusion Handling | Intelligent Transportation Systems| Matlab
- Implemented a vision based system which can run in real time and is able to classify vehicles with accuracy above 96%.

Software Engineer, Telecommunications Company of Cuba
May 2013 - Aug 2014
- Developed software for network traffic control, using scientific analysis and mathematical models to predict and measure outcome.
- Modified existing software to correct errors and improve performance.
- Designed plans for expansion and modernization of telecommunication networks.
- Prepared reports and correspondence concerning project specifications, activities and status.
- Mentored other developers in coding practices, architecture and software development best practices.

Low Voltage Systems Engineer, Projects Design Company of Cuba
Sep 2010 - Apr 2013
- Engineered access control, fire alarm and structured cabling systems for commercial buildings.
- Made onsite visits to customers to gather critical information, resolve project issues, customer concerns, and review engineering plans.
- Managed multiple projects on a daily basis.
- Accomplished project goals on time.
- Prepared documents to gather adequate information to complete projects, including ACAD drawings, specification sheets and equipment requirements.
- Trained junior team members on low voltage systems.

Teacher's Assistant, Havana University of Technology Jose Echeverria
Sep 2006 - Dec 2009
- Taught Calculus and provided assistance to students in C/C++ labs.

LANGUAGES

English / Spanish