

José Jesús Pérez Aguinaga

me@jjperezaguinaga.com

Home - (442) 216 7600

EDUCATION

Instituto Tecnológico de Monterrey Campus Querétaro
Bachelor of Science in Computer Systems Engineering - Graduating in May 2013
Cumulative GPA: 91/100

WORK EXPERIENCE

1/11 – Present

Self Employed Freelancer

Developer – Querétaro, México. <http://im.jjperezaguinaga.com>
Developed both web and desktop applications for customers in order to meet requirements and deadlines.

1/11 – 7/11

CIDETEQ (Centro de Investigación y Desarrollo Tecnológico en Electroquímica)

Web Developer – Querétaro, México. <http://jjperezaguinaga.com/sites/conagua/>
Implemented an admin panel with PHP, jQuery, AJAX using MySQL with RBAC for a government project, which manages users, permissions, mailing lists and generates reports based on Google Maps.

6/09 – 7/09

Concordia Language Villages

6/08 – 7/08

Camp Counselor - Bemidji, MN, USA

Performed camp based activities that involved leadership and communication skills.

MAJOR SCHOOL PROJECTS

Spring 2011

Xbox 360 Kinect Controlled ROBOTIS Bioloid® Remote Car.

Using the Bioloid® Experts Kit assembled a Remote Car that was controlled with a Xbox 360 Kinect through the Flexible Action and Articulated Skeleton Toolkit (FAAST). Individually architected the communication process between the Remote Car and FAAST using Win32 API, ANSI-C, Behavior Programming and a ZigBee module.

Spring 2011

Face Recognition Script based in the Viola-Jones Algorithm.

Based on the Modified Ada-Boost algorithm developed by Paul Viola and Michael Jones, an instance of its Object-Detection Framework was coded in ANSI-C with a team of five. Artificial Intelligence concepts such as Haar Cascades, Boosting and Machine Learning were learned.

Spring 2008

Graphic Calculator for Lineal Equations.

Developed individually a Java based Graphic Calculator using the GUI library and NetBeans. User input was handled through the RPN (Reverse Polish Notation) algorithm. Documentation included Use Cases, UML class diagrams and Test Cases.

TECHNICAL SKILLS

Languages: Java (2 years), C/C++(2 years), PHP(2 years), Visual Basic(1 year), SQL(1 year).

OS: Windows, (User), Unix, Linux(Ubuntu 10.04 LTS– User)

Software: Xampp, Netbeans, Eclipse, Adobe Illustrator/Photoshop.

AWARDS AND LEADERSHIP

Recipient of General Electric Foundation Scholar-Leaders Program Scholarship, given to only 10 people across Mexico each year – 2010

Won 26th place (out of 176) in Regional ACM-ICPC Programming Contest, 2008

Recipient of the Valedictorian Award by Tec Campus Queretaro (High school) - 2008

International Baccalaureate Diploma with Certificate in High Level Math - 2008