

Montréal, June 16, 2015

Miss, Mister  
Human Ressources  
**Moment Factory**  
Montréal, QC  
Canada

**Objet :** Internship Candidat.

As you can see from reading my resume, I hold a bachelor's degree in electrical engineering, I have permanent resident status, and comparative studies or equivalencies as electrical engineering, electronics and communications.

I have experience in software development focusing on industrial automation, educational applications and websites. Programming languages with which I offer my services are Labview, Java, Javascript, C, C ++, HTML, XML, CSS, Google Maps API, Visual Basic for Excel.

I also have experience and knowledge in designing and developing relational database using the File Maker software, Access and MySQL.

Currently I follow an English training software testing and quality assurance at Montreal College, where I learned development methodologies like Agile and test management tools like HP Quality Center and QTP to automate testing.

With Labview, I have the ability to develop software and hardware for test activities for electrical, electronic, electromechanical. My skills in electricity and electronics are useful to develop software in the areas of home automation, control and monitoring devices at home using the Internet, and to develop virtual laboratories for teaching technology.

I also put at your disposal my skills in the design of embedded systems with Arduino (c, C ++), the programming of Allen Bradley PLCs in RSLogix 500, and Cisco training for configuring computer networks Ethernet. 3 years of experience in prototyping and writing technical manuals for end users of electromechanical products and software.

I am passionate about the technology I constantly updating and learning new technologies. My organizational skills, my ability to meet deadlines, and work as a team, always allowed me to meet the expectations of my employers and I am sure I can answer yours too.

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# **Ricardo VALLEJO**

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## **Skills Summary**

- Development of websites using HTML, JavaScript, and Google Maps API connectivity to MySQL databases in WAMP servers. Experience of 1 year.
- Fluent English training in software testing and assurance of quality assurance. Montreal College.
- Production and editing of documents technical specifications prototypes, preparation of tenders and preparation of manuals for end users using English.
- Design and implementation of relational databases. Access, FileMaker, MySQL.
- Skills for developing web applications for control and monitoring remote devices and microcontrollers.
- Development of didactic components hardware y software for training students in electricity and electronics automotive.
- Systems Development software and hardware for measuring instruments, monitoring and control of electrical substations and data acquisition systems for automation of electromechanical systems using LabVIEW. Experience of 5 years.
- Team spirit, responsible and organized, ability to manage time and priorities, adaptability and work under pressure.
- **Languages:** French , English ( functional), Spanish.

## **Computer skills :**

- MS Office, Excel Avancée.
- Data Bases: FileMaker , MSAccess, MySQL
- Project Plannig management: MSProject
- Diagram Schemating: Autocad.
- IDEs: MySQL WorkBench, Eclipse.
- Testing and Quality Management: HP Quality Center, QTP, Manual Testing, Labview.

### **Programming Languages :**

- Labview 9.0, data acquisition , signal processing , acquisition and image processing.
- Application Development: JavaScript, Matlab , Java , HTML, C , Visual Basic, Excel , Google Maps API.
- Automation : RS Logix 500 for Allen Bradley PLCs .

## **Professional experience**

### **Livraisons MCL / Quick Appétit.**

**2014 - 2015**

#### **Freelance Developer**

##### **Responsibilities**

- Designing a solution for the intelligent management of delivery services for restaurants.
- Development of software tools for geolocation of delivery vehicles in real-time, alerts via SMS from new orders and invoicing using the Google Maps API and Javascript.
- Web site developer. - www.quickappetit.com

### **Impointer S.A**

**2005 - 2008**

#### **Engineer for developments of products and technical support**

##### **Responsibilities:**

Development of hardware and software for:

- Design and manufacture of didactic coach for the detection of faults in injection systems Common Rail Diesel - Cummins .
- Design and manufacture of teaching electrical system for automotive air conditioning.
- Design and manufacture of teaching electrical system for automobile alarm system.
- Design and preparation of documentation for the end user and prototyping.
- Design and development of databases on File Maker for inventory management, procurement and management of customer information

### **Smart Electrical Solutions S.E.I Ltd.**

**2002 - 2005**

#### **Co-founder and software developer**

##### **Responsibilities:**

- Studies about industrial electrical installations.
- Software equipment for monitoring and diagnosis of substations. Labview and Visual Basic for Excel.
- Software development for the analysis of combustion in internal combustion engines. Labview.
- Design and manufacture d'un instrument to measure the hardness of materials using computer vision techniques with Image Processing Toolkit National Instruments.
- Development of a system for remote monitoring in the pharmaceutical industry using Labview and Arduino microcontrollers.

### **Technological University of Pereira**

**2004 - 2009**

#### **University Teacher - Partial Time.**

##### **Responsibilities:**

Courses taught in the programs of Industrial Engineering and Electrical School of Technology were:

- Numerical methods for engineering.
- Design information systems and databases. MSAccess.
- Lineal Programming and Operations Research I. C, C ++, Matlab
- Computer Programming in Matlab software.

**Responsibilities:**

- Team Management and supervision (7 electrical engineers, 12 technicians and 3 planning engineers), to providing the maintenance service to 340 oil extraction units and six pumping stations.
- Design, calculation and preparation of wiring diagrams in Autocad.
- Planning and scheduling work activities on Microsoft Project software.
- Documentation and execution of electrical maintenance and programming routines.
- Development of an application for fault management in the oil transportation pipeline systems. Google Maps, XML, Visual Basic for Excel.

## **Formation Générale**

**Graduate in Electrical Engineering.**

**2002**

**Technological University of Pereira, Colombia**

*(Equivalent to a Bachelor's degree in Electrical Engineering, Electronics and Communications as benchmarking studies done outside Quebec by the Quebec immigration department in 2014.)*

## **Autres Formations**

**Software Testing & Quality Assurance**

**En course**

Montréal Collège

**Automates SLC 500 Allen Bradley, Industrial instrumentation and process control..**

**2014**

Institute of Industrial Processes of Maisonneuve. Montréal.

**Programming on Android mobile devices, and mobile engineering applications for management of the Territory.**

**2013**

Virtual Learning Platform Miriada X. - Polytechnic University of Valencia.

**Linear programming, genetic algorithms and other heuristics techniques for Solution of planning problems of electrical power systems.**

**2006**

Technological University of Pereira - Colombia.

**Curriculum Cisco Networking Associated.**

**2004**

Technological University of Pereira - Colombia.

## **Publications**

- Technical Data acquisition in internal combustion engines. Magazine. No. 19.

## **Conférencier**

- Power Quality Management with Wattview. National Instruments. Bogota - Colombia
- Installation for sensitive electronic components. Bogota - Colombia.