

# Curriculum Vitae

---

## Personal details

Name Rubén Guerra Marín  
Address Mauritsstraat 224  
Postal/Zip code, City 5615 RZ  
City / Country Eindhoven, The Netherlands  
Telephone +31.682009121  
Email address rguerra.marin@gmail.com  
Date & Place of Birth 10/02/1990 Tijuana, México

---

## Education

Sep 2013 – Present **Master in Embedded Systems**  
Technische Universiteit Eindhoven, in Eindhoven, The Netherlands.  
Scholarship: Amandus H. Lundqvist Scholarship.

2008 – 2013 **Bachelor of Electronic Cybernetics Engineering**  
Centro de Enseñanza Técnica y Superior, in Tijuana, México.  
Specialty in Automation and Industrial Robotics.  
GPA: 9.6  
Scholarships: Pro-Engineering Scholarship (CETYS Universidad), Teléfonos del Noroeste Scholarship.

### Main projects

- CNC: Responsible for programming the algorithms for a complete CNC using NI LabVIEW.
- iCarrito: Responsible for programming communication (Wi-Fi) and processing algorithms for a wireless car, using an ATmega microcontroller.
- Intelligent house: Responsible for designing the scheduling algorithms for the automation of a house.

### Internship: Honeywell Inc.

- R&D department.
- Responsible for designing the electric circuits and programming a gas cycling machine using NI LabVIEW.
- Code tuning of production machines, using LabVIEW and a compactRIO, raising the yield by 9%.
- PCB designs using NI Ultiboard.

2011 **Exchange program**  
Johannes Kepler Universität, in Linz, Austria.

---

## Work experience

Jun 2012 – May 2013 **Electronic Engineer at ICCNexergy, Inc.**, in Tijuana, México.

- Electric testing and automation department.
- Project leader in automation tasks.
- Automate testing machines using LabVIEW and Visual Basic.
- Electric testing of medical and non-medical products.
- Electric failures analysis.
- Production line support.

- Apr 2012 - Jun 2012     **Automation Engineer at Soluciones de Ingeniería**, in Tijuana, México.
- Project was at Honeywell, building machines for a new assembly line.
  - Program automation machines using PLCs and LabVIEW.
  - Design the electrical circuits of assembly and testing machines.
- 

## Certifications

- Certified LabVIEW Associate Developer (National Instruments, March 2012).
- 

## Extracurricular activities

Aug 2013 – Present     **MADSpace**, in Eindhoven, The Netherlands

- MADSpace is the local hackerspace of Eindhoven.
- Lead of the electronics community.

Aug 2013 – Present     **Mozilla**, in Latin America and Europe.

- Mozilla Reps: Represent and give talks about Mozilla at events.

Aug 2012 – Present     **Fedora**, in Latin America, USA and Europe.

- Fedora Ambassador: Represent and give talks about Fedora at events.
- Fedora Package Maintainer: Maintain packages in the Fedora repositories.

Oct 2009 – Present     **Software Engineer at Free/Libre/Open-Source Software**

- Contributor and promoter of Free Software and Open Source projects.
  - Lead member of the Eindhoven Open Source Interest Group, the Tijuana GNU/Linux Users Group and the Tijuana Google Developers Group.
  - Responsible for giving talks and workshops about GNU/Linux.
- 

## Awards

- First place at the Tijuana Startup Weekend 2013.
- 

## Language Skills

Native language: Spanish

English: TOEFL IBT (November 2012) – 101 out of 120.

Dutch: Currently in a beginners course.

German: Level A2 (2011).

---

## Computer skills and competences

- Operating systems: Windows, GNU/Linux.
- Protocols: ZigBee, Bluetooth, Wi-Fi, UART, SSH, FTP, TCP, SMTP, SNMP, TELNET.
- Programming skills: Python, Java, LabVIEW, C, Assembly, LaTeX.
- Frameworks: Django, Android SDK.
- Databases: MySQL, SQLite.
- HTTP servers: Apache, Lighttpd.
- Experience with microcontrollers and PLCs.
- PCB design: NI Ultiboard, Eagle.
- Basic electronic equipment.
- Teamwork, good adaptation to multicultural environments, good communication skills, responsible, extrovert, of fast learning.