

Francisco Villegas

Master in
computer
science

**Address:**

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Birthdate:

December-15-1992

Experience

- Professional practices (University) | (2014 – 2014)

CIECO UNAM, Morelia

Preventive and corrective maintenance, I realized the project "Location based service (LBS)". It consists in an android application that showed the routes of interest sites and how to reach them inside the campus of the UNAM Morelia.

- Independent developer | (2014 – 2016)

Performing software projects in my spare time. Development of a sales system for "Bicipartes Carrillo". Development of a database Information management system for "Kraft" group. Development of the website of the "Instancia de la mujer" of Tocombo.

- Web developer | (2017 – Present)

Dextra working to (HPE/DXE), Guadalajara

Working as Software Engineer in a web application to provide privileged access to users in all the OS (Windows, Linux, and Unix) where approvers can approve/deny the request of the user. Programming in Javascript, JQuery, Ajax and PHP using Bootstrap, a BD in Postgresql, and a framework that was made for our team. Translating some code from perl to php/jquery/html5. Working with LDAP directory and Active Directory. Programming scripts in Perl.

Education

- Engineer in computer systems (Esp. Informatic security) | (2010 – 2014)

Instituto Tecnológico de Morelia

- Master in computer science (Esp. Informatic security) thesis "Feature selection to detect botnets using machine learning algorithms" | (2014 – 2016)

Centro de Investigación en Computación, Instituto Politécnico Nacional, CDMX

Other titles/Certifications

- Certification in Linux Administrator (25hrs) | (2014)

- Certification in Python Jr. (25hrs) | (2015)

- Certification in HTML 5 (25hrs) | (2015)

Certifications by IT Open Knowledge Center

- Toefl ITP (Score: 497) | (2014)

Professional skills

Informatic security
Programing
Websites
Software engineering
Mobile



Conferences

- Scientific article publication
"Feature selection to detect
botnets using machine learning
algorithms" (Accepted) | (2016)
Conielecomp 2017 conference,
Cholula, Puebla

- Scientific article publication
"Botnets detection using clustering
algorithms" | (2016)
Core 16 conference, CIC, IPN,
CDMX

- Staff and Assistant | (2014 and 2015)
1era y 2da Semana
Ciberseguridad, CIC, IPN, CDMX

- Organizer (Website design) | (2012)
"Tekhne" conference, Instituto
Tecnológico de Morelia

- Assistant | (2013)
IEEE Ropec conference, Ixtapa,
Guerrero

- Assistant | (2012)
9SISI conference, Mazatlán, Sinaloa

Languages

- English (85%)
- Spanish (Native language)

Specific skills

- Programming languages: Java, JavaScript
(jQuery and Ajax), PHP, C, C++, Visual Basic,
Python and CSS.

- Operating systems: Linux, Unix, Windows,
Windows Server.

- Virtualization of SO.: HyperV, VMWare,
VirtualBox and Xen.

- System administrator: backups, creation of
services and daemons, systems monitoring,
patching, user account management,
hardening, configuration of servers (ssh, dns,
firewall, web, ftp, pop3, smtp, dhcp, etc.), Cisco
acl management and iptables, maintenance,
application and policy configuration,
contingency response, Cisco switch and routers
management,, etc.

- Databases: MYSQL, SQLServer, SQLite,
Postgresql.

- Design and analysis of algorithms.

- Methodologies for software projects and
software engineering.

- Web pages design: HTML 5 with responsive
frameworks.

- Creating and editing images and video:
Photosop, Illustrator, Corel Draw, Sony Vegas,
and Macromedia Flash.

- Development for Android mobile devices:
Eclipse and Android Studio.

Other data

- Passport