

# Marco Andres **Pérez Rodríguez**

· INFORMATICS ENGINEER

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*"I like learning about TI"*

## Education

### CUCEI (Centro Universitario de Ciencias Exactas e Ingeniería)

Universidad de Guadalajara

INGENIERÍA EN INFORMÁTICA

Jun. 2014 - 2019

- Develop a page for my school for control to a teachers their classroom hour and inventory of the itself. This page made on framework laravel, php and mysql.

## Experience

### CADS (Centro de Análisis de Datos y Supercomputo)

Universidad de Guadalajara (UDG)

HPC (HIGH PERFORMANCE COMPUTING)

September 2018 - Present

- I'm currently working with the UDG HPC Cluster (Leo Atrax). This cluster runs with the RHEL OS.
- I create specific environments for investigators, these environments are created based on their requests, the software is then compiled to the cluster.
- This cluster manages all tasks with slurm.

### Knowledge in Unix Linux & user environment control

I like to lern about linux

SPECIALY CENTOS, RHEL, UBUNTU AND DEBIAN

Since January 2017

- I started with the universe of linux for personal interest.
- I manage servers on diffrent Linux distributions (Web server, Database server and Application server).

### VMware ESXi & VirtualBox

Pohang, S.Korea

CREATION OF TEST ENVIRONMENTS WITH VIRTUAL MACHINES

Sep. 2012 - Feb. 2013

- Created a lot of test environments.

### Docker

CADS

VIRTUAL ENVIROMENTS

I'm still learning

- I created specific containers for users, these containers were made with special software and configured based on users requests.
- I'm also creating environments in containers, intended as introductions for new users to the Linux OS.
- I'm working with Docker Swarm, a Docker tool for creating clusters.
- I'm working with Docker Compose.

### OpenHPC

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CLUSTERING

February. 2019 - June. 2019

- I created a test Cluster with the software OpenHPC in CentOS 7.

### Rocks cluster

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CLUSTERING

Novemrber. 2018 - January. 2019

- I created a test Cluster with the software Rocks in CentOS 7

## Extracurricular Activity

### RJ45 wiring installation

Offices of Punto Sao Paulo

COMPUTER MAINTENANCE & INSTALLATIONS

Jun. 2016

- Renew office wiring RJ45
- Computer equipment maintenance

## PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

## MSSA (Management Strategy Club of POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2013 - PRESENT

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

## Study certificates

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### INTERNATIONAL

2018 **Fujitsu**, Clustering with a britgth computing

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2019 **Teaching**, I taught a virtualization and container docker course in Centro Universitario Ciencias Económico-Administrativas

CUCEA

## Presentation

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### 6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

## Writing

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### A Guide for introduction to Docker

Basic commands for Docker

WRITER

28 September 2019

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

### A Guide for Jupyter Notebook

Instalation ands configuration

UNDERGRADUATE STUDENT REPORTER

11 April 2019

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

## Program Committees

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2019 **Staff & tech support**, CADS(Centro de análisis de datos y supercomputo) Jornada de supercomputo

Guadalajara  
Jalisco