

Marco Andres **Pérez Rodríguez**

· INFORMATICS ENGINEER

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"I like learning"

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 theirs 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 - Still working here

- I'm work with a cluster hpc from 1 year ago. This cluster its of udg with name Leo Atrox and OS RHEL.
- I'm create a specific environments to investigator, this environment it is created based on the requests of the investigator, the software is compiled to the cluster.
- This cluster controls the work with slurm.

Knowledge in Unix Linux & user environment control

I like to lern about linux

SPECIALY CENTOS, RHEL, UBUNTU AND DEBIAN

Since January 2017

- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.
- Improved functionality on military command and control system for incident response with Java Servlet.
- Lead engineer on agent-less backtracking system that can discover client device's fingerprint (including public and private IP) independently of the Proxy, VPN and NAT.

VMware ESXi

Pohang, S.Korea

CREATION OF TEST ENVIRONMENTS WITH VIRTUAL MACHINES

Sep. 2012 - Feb. 2013

- Researched means of retrieving a corresponding video based on image contents using image similarity algorithm.
- Implemented prototype that users can obtain torrent magnet links of corresponding video relevant to an image on web site.

Docker

December 2018

VIRTUAL ENVIROMENTS

I'm still learning

- I'm creating a specifics containers for a users, this containers make with a special software and configurations for users request, to create test environments quickly and efficiently.
- Also I'm creating a environments in a containers for introduce new usersto SO linux.

OpenHPC

Seoul, S.Korea

SOFTWARE ENGINEER

Dec. 2011 - Feb. 2012

- Developed a proxy drive smartphone application which connects proxy driver and customer. Implemented overall Android application logic and wrote API server for community service, along with lead engineer who designed bidding protocol on raw socket and implemented API server for bidding.

Extracurricular Activity

PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - PRESENT

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

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.

Honors & Awards

INTERNATIONAL

- | | | |
|------|---|------------------|
| 2014 | Finalist , DEFCON 22nd CTF Hacking Competition World Final | Las Vegas, U.S.A |
| 2013 | Finalist , DEFCON 21st CTF Hacking Competition World Final | Las Vegas, U.S.A |
| 2011 | Finalist , DEFCON 19th CTF Hacking Competition World Final | Las Vegas, U.S.A |
| 2012 | 6th Place , SECUINSIDE Hacking Competition World Final | Seoul, S.Korea |

DOMESTIC

- | | | |
|------|--|----------------|
| 2015 | 3rd Place , WITHCON Hacking Competition Final | Seoul, S.Korea |
| 2013 | Silver Prize , KISA HDCON Hacking Competition Final | Seoul, S.Korea |

Presentation

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

A Guide for Developers in Start-up

Facebook Page

FOUNDER & WRITER

Jan. 2015 - PRESENT

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

AhnLab

S.Korea

UNDERGRADUATE STUDENT REPORTER

Oct. 2012 - Jul. 2013

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

Program Committees

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| 2013 | Organizer & Co-director , 1st POSTECH Hackathon | S.Korea |
| 2012 | Staff & Problem Writer , JFF(Just for Fun) Hacking Competition | S.Korea |