



# Enrique Ramos Diaz

Bachelor of Science in Computers Systems Engineering  
Passionate for Machine Learning  
Technician Degree in Computation

## CONTACT

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## COURSES AND CERTIFICATIONS

Microsoft Office Certification by the CECATI No. 1 on July 2015

English B2 Certification by the IPN on March 2018

## PROGRAMMING LANGUAGES

6 years: C  
C++  
5.5 years: PHP  
C#  
5 years: Java  
4.5 years: Python  
2.5 years: JavaScript  
1 year: ColdFusion

## TECHNOLOGIES

- TensorFlow, Keras, TensorRT
- Google Colaboratory, Jupyter Notebook
- Scikit-learn, Pandas, OpenCV, Numpy
- JQuery, Bootstrap, Materialize
- Hibernate, Spring, Struts2
- Conekta, JSP, XML, HTML 5, CSS
- Flask, Jinja2
- Node.js, Socket-IO, Vis.js
- Heroku, Eclipse
- LaTeX, Git, TortoiseSVN
- MySQL, PostgreSQL, Oracle

## LANGUAGES

Spanish – native  
English – B2

## AWARDS

Student of academic excellence for 4.5 years at ESCOM IPN – GPA 9.50

Student of academic excellence for 3 years at CECyT No. 8 IPN – GPA 9.65

## PROFESSIONAL EXPERIENCE

### Coordination of the Institutional Information System IPN Web Developer Junior

From Feb/24th/2020 to Ago/24th/2020 - México

- Maintenance of the **institutional web systems** corresponding to the **IPN budget**, using **MVC**.
- Reengineering and redesign of the **graphic user interfaces** from the web systems that manage the **institute's accountancy processes**, using **Bootstrap**.
- Implementation of **CRUDs** and creation of **procedures** in the **institute's databases**, using **Oracle**.
- Testing on these IPN web systems, according to the established business rules.

### CECyT No. 8 Narciso Bassols IPN Internship in software maintenance

From Jan/18th/2016 to Jul/23th/2016 - México

- Maintaining the **applications** code used in the Polytechnic Unit for Social Integration (**UPIS**).
- Design and implementation of a **management software for scholar excursions** for the CECyT students in **C#** and **MySQL**.
- Training to those people in charge of this software.

## PROJECTS

### SIG@ IPN - Institutional Administrative Management System

Web system where the offices of the IPN carry out the registration of the information related to the financial, accounting, human capital and material resources processes of the institute; developed with **ColdFusion**, **Bootstrap**, **JQuery** and **Oracle**.

### Shopping Cart

Web shopping cart with real bank transactions; developed with the frameworks **Hibernate**, **Spring**, **Struts2**, **Conekta**, **Bootstrap** and **PostgreSQL**.

### APMS - Academic Program Management System

Prototype of a web system for the management and creation of academic programs for the IPN universities; developed with the frameworks **Spring**, **Angular** and **PostgreSQL**.

+10 projects I'm truly proud of: [brokenerk.github.io/#projects](https://brokenerk.github.io/#projects)

## EDUCATION

2016 - 2021 **Computers Systems Engineering, B.S.**  
México *Superior School of Computer Sciences (ESCOM) - IPN*

2013 - 2016 **Computation, Technical Degree**  
México *CECyT No.8 Narciso Bassols - IPN*