

# ENRIQUE RAMOS

## Computer Systems Engineer Software Developer

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📍 Mexico City, MX

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## EXPERIENCE

### Backend Developer Semi Senior

#### NCR Corporation

📅 May 2021 – Ongoing

📍 Mexico City, MX

### Frontend Developer

#### Byronmuller

📅 Mar 2021 – Apr 2021

📍 Mexico City, MX

- Programming and layout of website designs for health care area companies like Columbia.
- Design of **visual aids** with content of advertising, marketing and informative campaigns from **medicine area clients** such as: **Valeant, Grossman, Leo Pharma** and **Amgen**.

### Machine Learning Intern

#### BubbleTown

📅 Jan 2020 – Jan 2021

📍 Mexico City, MX

- Design of an **intelligent system** to offer **personalized advertising** to clients on Python and C++.
- Training and design of **convolutional neural network models**, using TensorFlow.
- Generation of **visual recommendations** for the company's drinks based on **parameters** detected from the **face**.
- Use of **computer vision**, **image processing** and **augmented reality** with OpenCV.
- Work with **NVIDIA minicomputer architectures**, using **TensorRT**.

### Full Stack Developer Junior

#### IPN

📅 Mar 2020 – Aug 2020

📍 Mexico City, MX

- 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**.

## PROJECTS



#### BubbleTown's personalized advertising

Intelligent system for the drinks company BubbleTown that offers personalized advertising to customers through recommendations of drinks based on parameters detected from their faces; these are displayed with augmented reality. **Developed with Python, TensorFlow, OpenCV, TensorRT and the NVIDIA Jetson.**



#### 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 and accounting processes of the institute; developed with **ColdFusion, Bootstrap** and **JQuery**.

## AWARDS



#### Student of academic excellence

for 4.5 years at ESCOM IPN – CGPA: 95.20 (3.76)

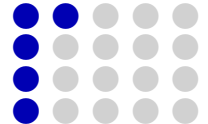
## SKILLS

Python (yrs)

Docker/Kubernetes (yrs)

JavaScript (yrs)

C/C++ (yrs)



Vue.js React Native PHP Java  
C#/.NET TensorFlow Keras TensorRT  
Scikit-learn Pandas OpenCV Numpy  
Bootstrap Materialize API REST  
Conekta HTML CSS Flask Jinja2  
Node.js Socket-IO Vis.js Heroku  
LaTeX Git Google Colaboratory  
SQLAlchemy SQL

## LANGUAGES

Spanish - Native English - B2

## EDUCATION

B.S. in Computers Systems Engineering

#### ESCOM - IPN

📅 2016 – 2021

📍 Mexico City, MX

Technical Degree in Computation

#### CECyT No. 8 Narciso Bassols - IPN

📅 2013 – 2016

📍 Mexico City, MX

## PUBLICATIONS

#### 📄 Journal Articles

- Moreno-Armendáriz, M. A., Calvo, H., Duchanoy, C. A., Lara-Cázares, A., Ramos, E., & Morales-Flores, V. L. (2022). Deep-learning-based adaptive advertising with augmented reality. *Sensors*, 22(1). doi:10.3390/s22010063