

ALLY - RAMOS

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SUMMARY

Experienced Developer and Freelance Information Technology Consultant with a demonstrated history of working in the Information Technology & Services industry. Skilled in Python, PHP, JavaScript, and IoT platforms. Strong information technology and engineering professional with a Master of Science (M.Sc.) focused in Computer Science from the Center for Scientific Research and Higher Education of Ensenada

EDUCATION

Center for Scientific Research and Higher Education of Ensenada (CICESE)

Ensenada, Baja California, México

Master's degree in Computer Science

THESIS: "Mobility contextualization of inhabitants of underdeveloped urban regions"

PAPER: "Building Security Bubbles: Design of a Wearable Device for Child Tracking in Vulnerable Zone" MexIHC '18 October 29–31, 2018, Merida, México

Developed a platform in PHP and JavaScript with the Leaflet library to collect and analyze mobility data from devices running an application built using Android Studio that communicated over MQTT to bypass mobile network restrictions to a backend built using Python and Go.

Technologies used: PHP, JavaScript, Docker, Fiware, Google Cloud Engine, Google Maps API, OSRM, Android Studio, MQTT, Python, Go, jQuery

National Technical Institute of México – Campus Cuauhtémoc City

Cuauhtémoc Chihuahua, México

Bachelor's Degree in Mechatronics Engineering

Vanguard of Mechatronic Systems – Worked with systems such Programmable Logic Controllers programmed through TIA portal, CNC machines using CAD software for design, as well as implemented projects both with Electrical and Electronics components, for example the control of a 220v 3-Phase motor using an Arduino.

Technologies used: PLC, TIA Portal, Arduino, SolidWorks.

Amarillo Area Center for Advanced Learning & Caprock High School

Amarillo, Texas, USA

High School Degree with a specialty in Computer Systems Technology

EXPERIENCE

Gulf of México Research Consortium (CIGOM)

2018 – Present
Ensenada, Baja California, México
Developer

Implemented a solution for metadata collection through of a form prepared as a plugin for the CKAN platform written in Python using the Jinja engine as well as helped create and deploy Docker machines for CKAN, THREDDS and JupyterHUB.

Technologies used: Python, Jinja, Docker, CKAN, THREDDS, JupyterHUB

Signalitics Inc.

2015 – 2017
London, Ontario, Canada
Developer

Implemented a solution to use multiple 4g Networks and share the Internet connection as well as local media to bus passengers - based on OpenWRT running on a RaspberryPI over web services. Collaborated with clients to implement fixes in a medical oriented MATLAB program and helped develop and test an IO extension board for the BeagleBone, RaspberryPI and Arduino.

Technologies used: RaspberryPI, Linux, MATLAB, Arduino, BeagleBone, Python

Epiknetwork

2013 – 2015
Cuauhtémoc, Chihuahua, México
Network Administrator

Singlehandedly managed a PTMP network of over 300 clients with over 12 Dedicated PTP client networks, with a 1Gb backbone. Developed client relationships in Spanish and English. As well as managed 3 servers (one Windows 2012 r2 and two Ubuntu) for our website, mail, client platform and control dashboard. Worked with devices such as Cambium, Ubiquiti and Mikrotik antennas and routers and set up and managed our Active Directory.

Technologies used: Active Directory, Ubuntu Server, Windows Server r2, Mikrotik, Ubiquiti, Cambium, PHP, JavaScript

Amarillo College

2010 – 2011

Amarillo, Texas, USA

User Support Services – Intern

Provided IT support to Staff, Professors and Students in the Amarillo College Main campus. Setup multiple computer labs. Worked with Windows, Linux and MacOS. As well as with applications for IT such as Norton Ghost, Serva, etc.

Technologies used: Windows, Linux, MacOS, Norton Ghost, Serva.

Spellmann & Associates

2009 – 2010

Amarillo, Texas, USA

Web Intern

Collaborated with multiple clients to implement desired updates to websites in HTML, CSS and PHP. Worked with Adobe applications such as Dreamweaver and Photoshop.

Technologies used: HTML, CSS, PHP, FTP, JavaScript, Dreamweaver, Photoshop.

SKILLS

- Python
- PHP
- JavaScript
- Web Scrapping
- Beautiful Soup
- MySQL
- Postgress
- Linux
- RUBY
- Node.js
- WordPress
- CPanel
- Numpy
- Windows Server
- Google Cloud Engine
- Google Maps API
- Google Drive API
- Watson
- C#
- jQuery
- Fast Learner
- Skilled Multi Tasker
- Good with people
- Objective oriented

LANGUAGES

- English at a native level
- Spanish at a native level
- German at an A1 on the European Framework
- French at an A1 on the European Framework