Jose Manuel
Calva Hernandez

@akotadi
+52 5549482643
manuel_7795@hotmail.com
@jmch7795
akotadi.me

Education

GRADUATING IN DECEMBER 2021   GPA 93/100

Escuela Superior de Cómputo - Instituto Politécnico Nacional
Bachelor of Engineering in Computational Systems
Attending to the ACM Student Chapter (also known as "Club de Algoritmia")
Top ranked student for 7 consecutive semesters.

Politecnico di Milano – Campus Milano Leonardo
Computer Science and Engineering
Exchange program Spring 2020, topics related to Machine Learning.

Experience

Software Engineer Intern (Facebook | Business Interfaces)   SEPTEMBER 2020 - *PRESENT*
Working on Diagnostics at Business Interfaces Health team.
- Fixed issues related to logs error presentation;
- Calculated the MID for critical log error messages.

Major Projects

Auxiliary system for the elaboration of study programs   WINTER 2018
(Academic Program Management System as intern project name)
Auxiliary system for the creation and management of the learning units at my university.
- Designed and developed as RESTful service (backend / frontend);
- Worked as a simulation of real project in collaboration with 24 teammates, our professor and a real client;
- In charge of a group of two persons in the backend operations related to the database (PostgreSQL);
- Also, worked with the rest of the backend, analysis and communication with the client;
- Built with Angular & Spring-Boot, documented with LaTeX and tested with Selenium.

IPN-Awards ↗   WINTER 2018
System developed to manage the organization, execution and generate statistics of an award event for the IPN.
- Developed in PHP for the backend and JavaScript (with jQuery and CSS) for the frontend;
- Simple CRUD for users and assistants, but also designed to interact with emails, messages and notifications;
- Integrated with a QR reader library for instant check of the assistants;
- Generation of awards and invitations in pdf from a template;
- Project Manager of a team of 5, focused in all the backend and important features in the frontend.

Skills

PROGRAMMING LANGUAGES
- 3 years: **C/C++**
- 2 years: **Java, JavaScript**
- 1 year: **PHP, Python**
- 3 months: **R, Hack**

TECHNOLOGIES
HTML, CSS, Git, Unix/Bash, JQuery, Ajax, Spring Boot, LaTeX, node.js, socket.io, Typescript, ReactJS, Gulp

COURSES
- **2nd School of Algorithms and Data Structures** (CIMAT, September 2019)
- **Data Science** by Harvard (edX, in progress)

RDBMS
- **MySQL** (2.5 year)
- **PostgreSQL** (1 year)
- **MongoDB** (6 months)

PLATFORMS
- **Windows** (user)
- **Linux** (user)

LANGUAGES
- **Spanish** (native)
- **English** (fluent – TOEFL ITP 570)
- **Italian** (basic – PLIIDA B1)

Leadership and Awards

- **Co-Founder** and **Organizer** of "Proyecto Nutria", focused in growing Latin American's community at big tech companies ↗
- **Speaker** at 2nd edition of #GirlsChallenge – RAPC, August 2020 ↗
- **8th place**, of 163 contestants, "1ª Liga de Programación OmegaUp" – OmegaUp, user "zerst", May 2020
- **16th place**, of 53 teams, "Regional ICPC 2019 – Mexico" – ICPC, team "404.Globito Not Found", November 2019 ↗
- **21st place**, of 375 teams, "Gran Premio de México" – ICPC, team "404.Globito Not Found", 2019 ↗
- **3rd place**, at host place, 2nd date of "Gran Premio de México" (hosted by FES Acatlan) – ICPC, team "404.Globito Not Found", May 2019
- **5th place**, of 21 teams, XI Annual Programming Contest "Donald E. Knuth" by IPN – ESCOM, team "ExpoESCOM", June 2019 ↗