Rafael Humberto Clavijo Ortiz
rh.clavijo24@hotmail.com
(+57)3166975187
Yearly Wage Expectation: 17000+ USD

Professional Profile

A physicist and System's Engineer from Universidad de Los Andes (Los Andes University), experienced in the development and maintenance of web applications, biophysics simulations, transactional systems (SQL), parallel programming (OpenCL), last generation programming languages (Java, C++, Ruby o Rails, C#), various versions of industry standard IDEs like Netbeans, Eclipse or Visual Studio and specialized Molecular Dynamics programs (GROMACS).

Academic Accolades and Achievements

Graduation project in system's engineering: "Concurrence in scientific applications" Mentored by Rafael Gomez, 2012. Code written in Java and C++.

Degree thesis in physics: Simulation of the signaling cascade during the photo-transduction caused by the activation of rhodopsin by a single photon. Directed by professor Chad Leidy. Bogotá, 2010. Simulation developed in Java.

First place in Innovation and Design Contest in the Design, Production and Innovation in Information Technologies course, 2011.

Final Round of the XXI Colombian Physics Olympiads. Bogotá 2006.

Foundational C# with Microsoft Certification, 2024.

Frontend Development using ReactFrontend Development using React, Board Infinity Board Infinity (Issued Apr 2024). ID Certificado LKPXAFBFN37X

.Net Full Stack Foundation.Net Full Stack Foundation, Board Infinity Board Infinity (Issued Mar 2024). ID Certificado XAT9KP8BAXDE

Academic Qualifications

Masters in Science-Physics (Pending Thesis Presentation)
Universidad de los Andes
Bogotá, 2016

System's Engineer
Universidad de los Andes
Bogotá, 2012

Physicist
Universidad de los Andes
Bogotá, 2011

Academic Bachelor
Liceo de Cervantes Norte
Bogotá, 2005

Work Experience

Independent Development

    Full Stack Developer (C#, SQL Server, Web Services REST)

                            2023

Softtek (Softtek Renovations Ltda)

    Developer (C#, Console Applications, Java 8)

Complete development tasks that meet the requirements of the applications, according to the functional and non-functional requirements assigned and to the preset methodologies. Support the activities of analysis and requirements gathering, technical and functional tests, and the updating of the corresponding technical documentation. (Console application development, incident resolution)

                            2022
                            2023

Instituto Colombiano Agropecuario-ICA

    Developer (C#, REST Web Services, WS SOAP, ASP.NET y SQL)

Complete development and/or bug fix solutions that meet the requirements of the applications, according to the functional and non-functional requirements assigned, in the established times, and the preset methodologies. Support the analysis and requirement gathering, technical and functional testing, and the updating of their corresponding technical documentation. (Bug correction, incident resolution, creation or modification of functionalities and/or reports)

                            2021
                            2020
                            2019
                            2018

Asociación Colombiana de Criadores de Ganado Simmental, Simbrah y sus cruces

    Support in technological infrastructure and systems   **2017-1**

Universidad de los Andes

    Physics I Complimentary

        Subject Teacher   **2015-2**

    Experimental Physics II

        Subject Teacher   **2015-1**
                            2014-1
                            2013-2

    Pre-physics Complimentary

        Subject Teacher   **2013-1**

    Basic Physics Lab I

        Subject Teacher   **2013-1**
                            2012-2

    Electromagnetism II

        Teacher's Assistant   **2010-2**

    Quantum Mechanics II

        Teacher's Assistant   **2010-1**

    Quantum Mechanics I

        Teacher's Assistant   **2009-2**

The "Teacher's Assistant" of a course or subject is in charge of correcting assignments and quizzes, creating the digital version of the assignment solutions and overseeing or monitoring the final exam.

.