



Julio César Melchor Pinto

Born in Veracruz, México. November 4, 1983
Married

Climate computational modeling
and business IT solutions.

Education

Earth Science (2014)

National University of Mexico (UNAM)
Atmospheric Science Centre (CCA)



Physics (2010)

University of Baja California (UABC)
Science Faculty



Contact

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Social:



JulioMelchorPinto



MelchorPinto



jmelchorp



jmelchorp

Skills

- Data analysis
- Computational modeling
- IT Business solutions
- Methodologies to reduce defects
- Service culture
- Partner & leadership
- Agile & Scrum friendly

Languages

English:

Spoken 80% Reading 90% Writing 90%

Mexican Hand-sign Language (LSM): 50%

Braille: Reading 20% Writing 70%

Experience

2020 **Freelance developer** at freelance.com & superprof.mx

Data compiling and front-end development of a web application for Coronavirus Statistical analysis.
Technologies: Angular 9, Material Design, Bootstrap, NodeJS, Google Firebase, Google Cloud Services
Remotely assistance of grad students in Faculty of Science at National University of Mexico (UNAM)

2019 **IT Manager** at Guerrero Floral and Sea Designs S. de R.L. de C.V.

Analytics and maintenance of operative and production processes, wasting control and employee management system. Technologies: .Net Core 3.1, MSSQL, Microsoft 360, CONPAQi, Microsoft Office.

2018-2019 **Developer Senior** at Grupo Okunoba S.A.de C.V.

Design and development of an inventory management system with digital documents storing and tracking. Technologies: .Net Core 2.2, MSSQL, Angular 7, NodeJS, zsh.

2017-2018 **Developer Jr.** at Softtek

Design and implementation of a full-stack Service Management System for restaurant services (back office, web application, iOS and Android application). Technologies: OutSystems, Microsoft Visual Studio, Android Studio, Microsoft Teams, Slack, Azure DevOps, Azure Cloud Services, NodeJS, AngularJS, Java, JavaScript, ADO.NET, ASP.NET MVC 5, MSSQL, MySQL.

2017 **Developer Jr.** at Partido de la Revolución Democrática (PRD)

Design and development of a web application with mobile responsive design for tracking parties associates productivity on an internal election. Technologies: ASP.NET MVC 5, Google Maps API, JavaScript, NodeJS, MySQL.

2017 **Developer Jr.** at freelance.com

Development of a mobile application called "Mi tienda" which aim to help users to find the nearest grocery store with a certain product available. Technologies: Java, JavaScript, XML, MySQL, Google Maps API.

2011-2016 **Technical Assistant** at Atmospheric Sciences Centre, National University of Mexico (CCA-UNAM)

Development of a Global Thermodynamic Climate Model for numerical climate prediction scenarios and further investigations.

2016 **Assignment Teacher grade A** at Science Faculty in National University of Mexico (UNAM).

Teacher of Climate Modeling course, Physics department.

<http://www.fcencias.unam.mx/directorio/83353>

2013-2014 **Main Teacher**

High-School Program for Students with Disability (BNEED). Dirección General de Bachillerato (DGB). Physics, Math and Chemistry courses in braille and Mexican Hand-Signed Language

2006-2009 **Physics Adviser**

University of Baja California

Publications

JC Melchor, VM Mendoza, R Garduño, E Villanueva. *Parameterization of latent heat released by condensation for using in a Global Thermodynamic Climate Model (2016)*. Memories of 16th EMS Annual Meeting & 11th European Conference on Applied Climatology (ECAC).

VM Mendoza, **JC Melchor**, R Garduño, E Villanueva *Atmospheric response over Mexico and its adjacent seas to oceanic surface forcing, using a Global Thermodynamic Model during El Niño 1982-83, 1997-98, 2015-16 (2016)*. Memories of 16th EMS Annual Meeting & 11th European Conference on Applied Climatology (ECAC).

JC Melchor. *Predecir el futuro (2015)*. Letras Libres. <https://www.letraslibres.com/mexico-espana/predecir-el-futuro-meteorologico> *Seis preguntas sobre huracanes (para entenderlos mejor)*. Letras Libres. <https://www.youtube.com/watch?v=WsWBxLh4OaM>

LJ Villegas, P Gurria, **JC Melchor**. *Determinación del grado de madurez de frutas y hortalizas mediante técnicas acústicas (2005)*. Memorias del XLVIII Congreso Nacional de Física. <https://www.smf.mx/wordpress/wp-content/uploads/2016/01/2005-cnf.pdf>