



Manuel Alberto Sánchez Hernández

Curriculum Vitae

PERSONAL DETAILS

<i>Birth date</i>	March 24, 1992
<i>Current Residence</i>	Amatl 388, CDMX, México.
<i>ZIP Code</i>	04369
<i>Cellphone</i>	(+052) 044-472-111-0426
<i>e-mail</i>	manolo.half@gmail.com

ACADEMIC HISTORY

Escuela de Nivel Medio Superior de Silao (ENMS Silao) **2007-2010**
Guanajuato University High School Program
Honor Student, graduated with the best grades in the chemistry/biology oriented high school program.

Graduate in Physics, Sciences Faculty **2010-2018**
Universidad Nacional Autónoma de México (UNAM)
Social service effectuated at the Atmospheric Sciences Center (CCA), on the Meso and Micro Scale Research Area, under the direction of Ph. D. Graciela Binimelis de Raga, a member of the 2004 IPCC redactors group.

SKILLS

Languages Spanish (Native)
 English (Fluent)
 French (Basic)

Software

Python on IDE and terminal: OSGEO, pyGRIB, Basemap, SciPy, Numpy, csv, pandas, R for data analysis, L^AT_EX, Origin, Tracker, Gimp, Office: Advanced use of Word, Excel, Power Point, Publisher. Software for manipulation and data presentation: EmEditor, deGRIB, NETCDF4, GNUplot, Matplotlib.

Geospatial data base handling and data recovering, such as the Total Lightning Network from Earth Networks and the ERA-Interim database of the ECMWF, both used during the Social service and on the elaboration of a paper consisting in finding the Lightning

strokes distribution over the Mexican Republic, besides correlation with optic density for aerosols obtained from the MODIS data of the Terra and Aqua Satellites.

JOB HISTORY

Departmental Unit Chief on the Monitoring and Evaluation of Emergency Calls (JUD de Seguimiento y Evaluación del Servicio de Llamadas de Emergencia) 2018

General Direction of Statistical Analysis in the Command, Control, Computation, Communication and Citizen Contact Center of the Mexico City (C5 CDMX)

Data analysis associated to the criminality index of the city's sectors, the vulnerability of some areas to petty and high impact delinquency and the affectations derived from meteorological phenomena. Evaluation of the emergency calls service coming from public places.

Substitute Adjunct Professor 2014
Sciences Faculty, UNAM

Class imparting on the optional Electric Storms subject in a group in charge of Ph. D. Beata Kucienska and Ulises López Mora.

Volunteer Professor 2014
Eastern Sciences and Humanities College, UNAM

Math and Physics classes taught to two different groups of high school aspirants, in preparation for the COMIPEMS test for entrance sorting.

Adjunct Professor 2013
ENMS Silao, Guanajuato University

Algebra 2 class imparting in an ex-temporary course on a high school group in the absence of the assigned professor for illness.

REFERENCES

Miguel Ángel Souza [REDACTED]
(044) 55-2907-4495

Departmental Unit Chief in Strategies Design and Emergency Attention, C5 CDMX

Ulises López Mora [REDACTED]
(044) 55-3971-2915

Professor at Sciences Faculty, UNAM

Gilberto Gutierrez Toledano [REDACTED]
(044) 55-3971-2915

Professor at Economics Faculty, UNAM

Jose Luis Trejo Rocha [REDACTED]
(044) 472-101-0045

Professor at ENMS Silao, Guanajuato University