



Curriculum vitae

General information

LAST NAME, FIRST NAME	Nuñez Ramirez, Tonatiuh Guillermo
ADDRESS	Dornburger Straße 163, 07743 Jena
TELEPHONE NUMBER	00 49 176 646 283 72
E-MAIL	supertona@gmail.com
BIRTHDAY	May 30, 1983
GENDER	Male

Professional experience

TIME SPAN	December 2010 - February 2017
POSITION	PhD Student
PROJECT	Implementation of a global forward and inverse modeling system to estimate the global atmospheric methane budget with the additional constraints of atmospheric mixing ratios of ethane and $\delta^{13}\text{CH}_4$ isotopic information.
RESPONSIBILITIES	Compilation of an inventory of methane and ethane emissions, as well as of atmospheric measurements of methane, ethane and $\delta^{13}\text{CH}_4$. Implementation, execution and analysis of global forward and inverse model simulations. Programming and adjusting the transport model for the methane cycle.
EMPLOYER/ADDRESS	Max Planck Institut for Biogeochemistry, Hans-Knöll-Str. 10, 07745 Jena

TIME SPAN	September 2008 - September 2009
POSITION	Working student
PROJECT	Concept testing and characterization of prototype components of the Exomars rover's Sample Preparation and Distribution System (SPDS)
RESPONSIBILITIES	Design and production of test procedures and test set-ups.



Curriculum vitae

Programming and running LabView software modules to control prototype components (Breadboards) of the SPDS.

Data acquisition, analysis, visualization and documentation of test results.

Production of test reports for the European Space Agency

EMPLOYER/ADDRESS

Kayser-Threde GmbH (now OHB System AG),
Wolfratshausen Str. 48, 81379 München

Educational background

TIME SPAN

October 2007 - January 2010

ACQUIRED QUALIFICATION

M. Sc. Earth Oriented Space Science and Technology

MAIN SUBJECT

Remote Sensing

SECONDARY SUBJECT

Earth System Science

THESIS TITLE

Design of a free-flying sensor platform for On-Orbit Servicing (Department of Astronautics)

INSTITUTION

Technical University of Munich (Technische Universität München)

TIME SPAN

August 2002 - December 2006

ACQUIRED QUALIFICATION

B. Sc. Mechatronics engineering

INSTITUTION

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM) campus Guadalajara, Mexico

TIME SPAN

August 1996 - June 2002

ACQUIRED QUALIFICATION

General Highschool Diploma (Mexico)

INSTITUTION

German School of Guadalajara, Mexico



Curriculum vitae

Abilities

LANGUAGES

Spanish (Mother language)
English (second language)
German (Deutsche Sprachdiplom II)

COMPUTER ABILITIES

Operating systems: Linux, Mac OS, Windows
Programming languages: Fortran, Matlab, R, LabView,
C, C++
Software tools: Catia, Solid Edge, Autocad, Simulink,
ArcGIS, LaTeX

OTHER ABILITIES

Brain storming
Team working
Scientific writing
Data visualization
Presentation design