# Juan Nicolás Garavito Camargo
## Curriculum Vitae

## Contact Information:

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## Personal Details:

**Nationality:** Colombian-Venezuelan.
**Date of Birth:** 02/October/1988, Age 26.
**Marital Status:** Single.
**Languages**: Spanish (Native), English (Fluent).

## Education:

M.Sc., Physics: Universidad de los Andes (Colombia).          8/2013-present
(Advisor: Dr. Jaime E. Forero-Romero)
B.Sc., Physics: Universidad Nacional de Colombia.          2/2013
(Advisor: Dr. Rigoberto A. Casas Miranda)

## Research Interests:

Galaxy Formation, The Local Universe, High Redshift Galaxies, Reionization, N-body/SPH Simulations, Data Mining and Visualization.

## Computational Skills:

Programming Languages: Python, C, C++.
Software Packages: IRAF, ds9, Mathematica, LaTeX.
Operating Systems: Unix, Linux, Windows.
Visualization Software: TOPCAT, GLUE, Sphviewer.

## Awards:

2014 - SpaceArt scholarship Bogotá Planetarium: For developing art and science material for children.
2013 - Best Project at GAIA summer school held at Mexico City.
2010 - $1^{st}$ Place Maloka (interactive Science Museum) contest to design a didactical physics experiment.

## Congresses & Meetings:

[6] Satellite galaxies and dwarfs in the local group. Leibniz Institute for Astrophysics,

Potsdam, Germany.                                                                    08/2014
[5] European Week of Astronomy and Space Science EWASS.        07/2014
[4] XIV Latin American Regional IAU Meeting (LARIM), Florianopolis, Brasil. 11/2013
(Poster Contribution: 'Effects of the gas bulk Rotation on the morphology of the Ly $\alpha$ line')
[3] Fifth Venezuelan Astronomy Reunion (RVA), Merida, Venezuela.        12/2012
(Talk Contribution: 'Effect of the rotation of distant galaxies on the Lyman-alpha emission line'.)
[2] Colombian Congress in Astronomy (COCOA), Bucaramanga, Colombia.        11/2012
(Poster Contribution: Study Of The Dynamical Friction Time-Scale Using N-body Simulations.)
[1] XVII National Physics Congress, Santa Marta, Colombia.                        /2009

## Schools & Workshops:
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[12] CLUES meeting, Potsdam, Germany.                                        08/2014
[11] GAIA Visualization workshop, Viena, Austria.                        07/2014
[10] Vatican Observatory Summer School (VOSS).
"Galaxies Near and Far, Young and Old".                                        06/2014
[9] Galactic Dynamics in the Times of GAIA and other Great Surveys.        11/2013
Mexico City, UNAM CU.
[8] NEBULATOM, "A Capacity Development Workshop for Latin
American Astronomers on Emission Line Objects in the Universe".        03/2013
Choroní, Venezuela.
[7] III Venezuelan Astronomy School (EVA). Merida, Venezuela.        12/2012
[6] Hippac Summer School on Astrocomputing.                                07/2012
University of California San Diego.
[5] Data reduction in Cosmology School.                                        12/2011
National Astronomical Observatory of Colombia.
[4] XVI Ciclo de cursos especiais em Astronomia.                        10/2011
National Observatory of Rio de Janeiro, Brasil.
[3] $1^{st}$ Workshop on Statistical Physics.                                08/2011
National University of Colombia, Andes University, Bogotá, Colombia.
[2] School of Numerical Relativity.                                                /2011
National Astronomical Observatory of Colombia.
[1] Extragalactic Astrophysics School.                                        /2010
National Astronomical Observatory of Colombia.

## Talks:
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[4] "The effect of gas bulk rotation on the Lyman Alpha line profile", EWASS, Geneve,
Switzerland, July-2014.
[3] "The most distant galaxies in the Universe", Universidad Nacional de Colombia,
2014.
[2] "GAIAs View on the metallicities of the Milky Way", UNAM, Mexico City, Mexico,
Nov-2013.
[1] A Bayesian Method to study galaxy streams in the Milky Way Disk", CIDA, Merida,
Venezuela , July-2013.

## Publications:

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[1] **Garavito-Camargo J.N** ,Forero-Romero J.E, Dijkstra M, 2014. "Effects of gas bulk rotation on the morphology of the Lyman-alpha line", ApJ, 795, 120, (2014).

## Teaching Experience:

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| Physics I Laboratory: Universidad de los Andes. | $2^{nd}$ Semester-2013 |
| Computational Tools: Universidad de los Andes. | $1^{st}$ Semester-2014 |
| Computational Methods Laboratory: Universidad de los Andes. | $1^{st}$ Semester-2014 |
| TA, Computational Methods: Universidad de los Andes. | $1^{st}$ Semester-2014 |
| Computational Tools: Universidad de los Andes. | $2^{nd}$ Semester-2014 |
| Computational Methods Laboratory: Universidad de los Andes. | $2^{nd}$ Semester-2014 |
| TA, Computational Methods: Universidad de los Andes. | $2^{nd}$ Semester-2014 |

## Public Service:

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Organizer of the student astronomy seminar at the Planetarium of Bogotá (Spacio).