

Miguel Eduardo Rocha Gaso

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Citizenship: Mexican/Spanish
Date of Birth: April 6, 1984

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Education

Graduate Student at the [University of California, Irvine](#). Currently coursing the Ph.D program of the [Physics and Astronomy Department](#).

Present

B.S., Astrophysics (Honors), [University of California, Santa Cruz, CA](#)

2002 – 2006

A.A., Liberal Arts and Sciences, [Cabrillo College, Aptos, CA](#)

2002 – 2004

Summer Schools

[Sixth Helmholtz Summer School in Super Computational Cosmology](#), Astrophysikalishes Institut Postdam, Germany. Directed by Prof. Anatoly Klypin¹.

Summer 2006

XIV Verano en el Observatorio (Summer School in Astronomy), [Observatorio Astronómico Nacional, Baja California México](#). Directed by Hector Aceves².

Summer 2005

Research Experience

Work research experience under the supervision of Prof. [Joel Primack](#) and Postdoc [Patrik Jonsson](#), [UC Santa Cruz](#).

I performed a series of simulations of dust attenuation in merging galaxies. Part of a study aimed to understand the origin and evolution of galactic spheroids through a direct comparison of merger simulations with observations.

August 2006-May 2006

Undergraduate Senior Thesis Research, [UC Santa Cruz](#).

I did my thesis research with Prof. Joel Primack³ and Postdoc Patrik Jonsson⁴ in simulations of dust attenuation in isolated spiral galaxies.

June 2005-June 2006

Summer Research Experience, [Universidad Autónoma de México](#)

I participated in a research project regarding soil contamination with Prof. [Eduardo Andrade](#)⁵. This consisted in analysing soil samples by X-ray Ion Beam Analysis techniques in a single ended 5.5 Mev Van de Graaff Accelerator.

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³ joel@scipp.ucsc.edu

⁴ patrik@ucolick.org

⁵ andrade@fisica.unam.mx

Summer 2003

Teaching & Work Experience

Teacher Assistant, [UC Irvine](#).
For Phys 20A, Introduction to Astronomy, with Prof. Aaron Barth⁶.

Fall 2008

Teacher/Tutor, [Merit Academy](#).
I taught college level Calculus and Physics following the curriculum (Elaborated by UCSC's professors) of [Merit Academy](#). Classes were in a one to one fashion and designed to put advanced High School students a step ahead in their college level education.

March 2007 – June 2007

Lab Assistant, [UC Santa Cruz](#).
I assisted in directing the observations for the advanced astronomy laboratory of the undergraduate Astrophysics program at UCSC. The professor in charge was Rachel Dewey⁸.

September 2006 – December 2006

Awards

MENCION HONORIFICA, [XXII CONGRESO NACIONAL DE ASTRONOMIA](#).
I obtained the second place for best undergraduate thesis contest at the [National Astronomy Conference](#) that took place in Mexico City between the 15th and 18th of April, 2008.

UC MEXUS-CONACYT Doctoral Fellow

Publications

[Rocha M., Jonsson P., Primack J. R., Cox T. J., 2008, MNRAS, 383, 1281](#)

Thesis

[Rocha, M. 2006, Senior Thesis \(Honors\), University of California, Santa Cruz](#)

⁶ barth@uci.edu

⁷ <http://www.meritworld.com>

⁸ dewey@astro.ucsc.edu