# Objectives

To acquire research experience, both theoretical and experimental.

To find creative ways of applying scientific knowledge.

# Acomplishes

## Mathematics Olympiads competitor 2003-2006

* In 2004, represented Venezuela in the Olimpiada Matemática de Centroamérica y el Caribe (Nicaragua) and obtained a honorific mention
* In 2004, represented Venezuela in the Olimpiada Matemática Iberoamericana (Spain) and obtained another honorific mention
* In 2006, represented Venezuela in the International Mathematics Olympiad (Slovenia) and obtained another honorific mention
* In 2006, represented Venezuela in the Olimpiada Matemática Iberoamericana (Ecuador) and obtained a bronze medal.

## “Medida cuántica débil y sus aplicaciones en óptica” (“Weak quantum measurement and its aplications in optics”, pregrad thesis”) 2012-2014

* Qualified as approved and EXCEPTIONALLY WELL DONE (the highest possible qualification in the University). A research job in quantum optics in which the modern technique of “weak measurement” is studied and two original experiments are proposed

# Experience

## Mathematics teacher, Institutos Educacionales Asociados (school) 2006-2008

* Started by collaborating with the local math teacher Gerson Rodríguez to teach the best 8th grade students advanced math classes
* By 2007, was running the class alone with 9th grade students

## Collaborator, research group on Quantum Information at Universidad Simón Bolívar 2012-Current

* Collaborating with Prof. Enrique Castro and Prof. Celso Ladera investigating applications of weak quantum measurements to amplify results.

# Studies

## Licenciatura (i.e., B.S.) in Physics, Universidad Simón Bolívar 2006-Current

Valle de Sartenejas, Caracas 1080

## Training by the Asociación Venezolana de Competencias Matemáticas 2003-2006

Caracas 1080

Bachelor, Institutos Educacionales Asociados 1995-2006

Baruta, Caracas 1080

# Skill Profile

-Fast and eager learner. -Basic knowledge of C++ computer language. -Responsible and punctual

-Very good English. -Experienced in debate. Well spoken.