Diego Roque

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Education

2014–2018 **BSc**, *Massachussets Institute of Technology*.
2011–2014 **High School**, *Prepa Tec CCU*, Monterrey, Mexico.

Awards

International Olympiads

International Olympiad in Informatics (IOI).
- Historically best Mexican competitor
- **Gold** Medal and first Mexican to get Gold, 26th IOI, Taiwan, July 2014
- Silver Medal, 25th IOI, Australia, July 2013

International Mathematical Olympiad (IMO).
- Historically best Mexican competitor
- **Gold** Medal, 53th IMO, Argentina, July 2012
- Silver Medal, 55th IMO, South Africa, July 2014
- Silver Medal, 54th IMO, Colombia, July 2013
- Silver Medal, 52th IMO, Netherlands, July 2011
- Bronze Medal and youngest Mexican participant ever, 51th IMO, Kazakhstan, July 2010

Asian Pacific Mathematics Olympiad (APMO).
- **Gold** Medal, 25th APMO, evaluated in Kazakhstan, March 2013
- Silver Medal, 26th APMO, evaluated in Kazakhstan, March 2014
- Silver Medal, 24th APMO, evaluated in Japan, March 2012

Iberoamerican Informatics Competence by Correspondence (CIIC in Spanish).
- **Gold** Medal, May 2014
- Bronze Medal, May 2013

Iberoamerican Mathematics Olympiad .
- **Gold** Medal, 24th edition, Costa Rica, September 2011

Centroamerican and Caribean Mathematics Olympiad (OMCC in spanish).
- **Gold** Medal, 12th OMCC, Puerto Rico, June 2010
- Creative Solution Recognition, 12th OMCC, Puerto Rico, June 2010
- Silver Medal, 11th OMCC, Colombia, October 2009

May Mathematics Olympiad.
- **Gold** Medal, 16th edition, May 2010
- **Gold** Medal, 15th edition May 2009

Rioplatense Mathematics Olympiad.
○ **Gold** Medal, 18th edition, Argentina May 2009
○ **Gold** Medal, 18th edition, Argentina May 2008

Mexican Mathematics Olympiad (OMM).
○ Historically best competitor
○ **Gold** Medal with **Perfect** Score, 27th OMM, Hidalgo, November 2013
○ **Gold** Medal, 26th OMM, Guanajuato, November 2012
○ **Gold** Medal, 25th OMM, San Luis Potosi, November 2011
○ **Gold** Medal with **Perfect** Score, 24th OMM, Baja California, November 2010
○ **Gold** Medal with **Perfect** Score, 23th OMM, Campeche, November 2009
○ Silver Medal, 22th OMM, Sonora, November 2008
○ Bronze Medal, 21th OMM, Coahuila, November 2007

Mexican Computing Olympiad (OMI).
○ **Gold** Medal, 18th OMI, Mexico State, April 2013
○ **Gold** Medal, 17th OMI, Sonora, August 2012
○ **Gold** Medal, 15th OMI, Yucatan, September 2010

National Contests for Young Physics Talents.
○ **Gold** Medal, 7th edition, June 2011
○ **Gold** Medal, 6th edition, June 2010

Other Distinctions

Medalla al Mérito Cívico Presea Estado de Nuevo León 2012.
Civic Merit Medal, Nuevo Leon State 2012

Recognition from National Council of Science and Technology and Mexican Mathematics Society for performance in olympiads.

Medalla al Mérito Juventud Regia 2010.
Youth Merit Medal, Monterrey 2010

Twelve Recognitions from Nuevo Leon Education Department for performance in olympiads.

Two recognitions from IQ+ for performance in olympiads., IQ+ is an education nonprofit specialized on gifted youth.

Experience

Vocational

2014–2014 **Undergraduate Researcher**, *MIT Nuclear Science Department, Computational Reactor Physics Group*, Cambridge, MA.
Developing an unsupervised method of determining source stationarity of Monte Carlo eigenvalue calculations using Machine Learning techniques.

2011–2014 **Teacher**, *Nuevo Leon Mathematics Olympiad*, Monterrey, Nuevo Leon.
I teached mathematics classes geared towards Olympiads for the State organization that was in charge of Olympiads

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Languages

Spanish **Native**

English	**Professional**			

Computer skills

C/C++	6 Years		Algorithms	4 years
Haskell	2 years		Python	2 years
Lisp	2 years		Ruby	1 year
JavaScript	1 year		Scala	6 months
Idris	6 months		Io language	6 months

References

`https://www.dropbox.com/sh/et8ntc9s2cjdj8t/AADyMiglmiEdZ8rP4WVWdFSRa?dl=0`
Recognitions and Diplomas