Diego Roque

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Education

Fall 2014, **BSc on Mathematics**, *Massachusetts Institute of Technology*, Cambridge.
2016–2020

Experience

2015–2016 **Software Engineer Volunteer**, *Centre for High Academic Achievement (CARA)*, Monterrey, Mexico.
Developed a rudimentary admission system (written in Purescript and Haskell) with statistical methods to evaluate student performance, such as IRT.

2015–2015 **Software Engineer**, *Kueski*, Guadalajara, Mexico.

December **Teacher**, *COMI*, Mexico City, Mexico.
2015 I taught an algorithms course for teachers to further their skills and be better at teaching their students.

2015–2016 **Problem Setter and Training Program Organizer**, *Mexican Computing Olympiad Committee (COMI)*, Mexico.
Wrote part of the tests used to select the Mexican team for the IOI 2015 and 2016, as well as helping with the organization of the selection process.

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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Awards

International Olympiads

International Olympiad in Informatics (IOI).
○ Historically best ranked 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 ranked 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

National Olympiads

Mexican Mathematics Olympiad (OMM).
○ Historically best ranked 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 my results in olympiads.

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

Twelve Recognitions from Nuevo Leon Education Department for my results in olympiads.

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

Languages

Spanish	**Native**
English	**Professional**

TOEFL 650+

Computer skills

C/C++	8 Years	Algorithms	6 years
Haskell	4 years	Purescript	1 year
Python	2 years	Ruby	2 years
Javascript	1 year	Elm	1 year

References

`https://www.dropbox.com/sh/ajao00t66k0cu2o/AACF7wqe85HlX9VDZrQQGHsva?dl=0`
Recognitions and Diplomas