

DIEGO ROQUE

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EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

BSc Mathematics

Relevant courses: Formal Reasoning about Programs, Topology, Measure Theory, Algebra, Analysis, Deep Learning, Fundamentals of Program Analysis, Advanced Data Structures, Modern Numerical Computing with Julia, Graph Theory and Additive Combinatorics

AWARDS

International Mathematical Olympiad (IMO)

2010 — 2014

- Historically best ranked Mexican competitor
- **Gold** Medal, 3 Silver Medals, Bronze Medal
- Seven times National Gold medalist

International Olympiad in Informatics (IOI)

2013 — 2014

- Historically best ranked Mexican competitor
- **Gold** Medal, Silver Medal
- First Mexican gold medalist
- Three times National Gold medalist

EXPERIENCE

Tudor Investment Corporation

New York, New York

Quant Intern

Summer 2017

MIT Programming Languages and Verification Group

Cambridge, MA

Undergraduate Researcher

Fall 2017

Kueski

Guadalajara, Mexico

Software Engineer

2015 — 2015

Centre for High Academic Achievement

Monterrey, Mexico

Software Engineer Volunteer

2015 — 2016

- Developed an admission system (written in Purescript and Haskell) with statistical methods to evaluate student performance, such as IRT.

Mexican Computing Olympiad Committee

Mexico City, Mexico

Teacher

December 2015

- Taught an algorithms course for teachers to further their skills and be better at teaching their students.

Mexican Computing Olympiad Committee

Mexico

Problem Setter and Training Program Organizer

2015 — 2016

- 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.

MIT Nuclear Science and Engineering Department

Cambridge, MA

Undergraduate Researcher

Fall 2014

IQ+

Monterrey, Mexico

Board Member

2016 — Present

- IQ+ is an educational nonprofit specialized on gifted youth.

Tutor

2014 — 2016

- Tutored three students that went to international olympiads. One student got a bronze at IOI, and the other two got silver at IMO.

Nuevo Leon Mathematics Olympiad

Monterrey, Mexico

Teacher

2011 — 2014

SKILLS

Programming Languages: Haskell, Coq, Purescript, Elm, C/C++, Python, Ruby, Javascript, Julia
Languages: Spanish (Native), English (Full Professional), Chinese (Beginner)