DIEGO ROQUE

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EDUCATION

Massachusetts Institute of Technology <div align="right">Cambridge, MA</div>
Bachelor of Science in Mathematics
Technical courses: Formal Reasoning about Programs, Topology, Measure Theory, Algebra I/II,
Analysis, Deep Learning, Graph Theory and Additive Combinatorics, Social Choice and Networks,
Algorithmist's Toolkit, Categorical Logic, Category Theory and Topoi Reading Program

AWARDS

International Mathematical Olympiad (IMO) <div align="right">2010 — 2014</div>
- Historically best ranked Mexican competitor
- **Gold** Medal, 3 Silver Medals, Bronze Medal
- Seven times National Gold medalist

International Olympiad in Informatics (IOI) <div align="right">2013 — 2014</div>
- Historically best ranked Mexican competitor
- **Gold** Medal, Silver Medal
- Three times National Gold medalist

EXPERIENCE

Applied Category Theory, Adjoint School <div align="right">Oxford, England</div>
Participant <div align="right">February - July 2019</div>
- Participating on the Adjoint School of ACT 2019, studying categorical settings for computation with Pieter Hofstra.

EngineML <div align="right">San Francisco, California</div>
Software Engineer <div align="right">Fall 2018</div>
- Implemented features in a Haskell codebase, using Servant, Persistent, and language extensions.

Bridgewater Associates <div align="right">Westport, Connecticut</div>
Investment Associate Intern <div align="right">Summer 2018</div>
- Investment Associate in Disruption Lab.

Tudor Investment Corporation <div align="right">New Yorkt, New York</div>
Quant Intern <div align="right">Summer 2017</div>
- Researched machine learning algorithms on financial databases in order to predict asset returns, which were integrated into the overall trading strategy.

Poggio Lab at Center for Brains Minds and Machines <div align="right">Cambridge, MA</div>
Undergraduate Researcher <div align="right">February 2018 — Present</div>
- Developing an artificial intelligence system capable of doing mathematics.

MIT Programming Languages and Verification Group <div align="right">Cambridge, MA</div>
Undergraduate Researcher <div align="right">September 2017 — Present</div>
- Implementing concurrent semantics for RISC-V in Haskell.

Kueski <div align="right">Guadalajara, Mexico</div>
Software Engineer <div align="right">2015 — 2015</div>
- Worked in the backend of Kueski, an online lending startup.

Centre for High Academic Achievement <div align="right">Monterrey, Mexico</div>
Software Engineer Volunteer <div align="right">2015 — 2016</div>
- Developed an admission system (written in Purescript and Haskell) with statistical methods to evaluate student performance, such as IRT. Used to screen more than 3000 students.

Mexican Computing Olympiad Committee <div align="right">Mexico</div>
Problem Setter and Training Program Organizer <div align="right">2015 — 2016</div>
- 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.

IQ+ <div align="right">Monterrey, Mexico</div>
Board Member <div align="right">2016 — Present</div>
- IQ+ is an educational nonprofit specialized on gifted youth.

Tutor <div align="right">2014 — 2016</div>
- Tutored three students that went to international olympiads. One student got a bronze at IOI, and the other two got silver at IMO.

SKILLS

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