

GABRIEL POESIA REIS E SILVA (me@gpoesia.com)

EDUCATION

- 2019 - 2025 (EXPECTED) PhD student in Computer Science
STANFORD UNIVERSITY, CA, US
Research topics: Program Synthesis, Machine Learning
- 2015 - 2017 Master of Science in Computer Science
FEDERAL UNIVERSITY OF MINAS GERAIS, Brazil
Dissertation title: “Dynamic Dispatch of Context-Sensitive Optimizations”.
Advisor: Fernando Magno (dcc.ufmg.br/~fernando).
- 2011 - 2015 Bachelor of Science in Computer Science
FEDERAL UNIVERSITY OF MINAS GERAIS, Brazil
Graduated with honors (3rd best grade in graduating CS class)

ACADEMIC PUBLICATIONS

- [OOPSLA 2017](#) *G. Poesia, B. Guimarães, F. Ferracioli, and F. Pereira.* Static placement of computation on heterogeneous devices.
- [ECML/PKDD 2014](#) *G. Poesia and L. Cerf.* A lossless data reduction for mining constrained patterns in n-ary relations.

WORK EXPERIENCE

- AUG 2017 - AUG 2019 Co-founder and CEO at LOOPYE, Brazil
Founder of an startup developing innovative technologies for programming education. One cofounder and I developed the product from scratch: a full-fledged platform for learning programming with JavaScript, and automated feedback tools using Static Analysis and Program Synthesis.
- FEB-APR 2016 Software Engineer Intern at FACEBOOK
Worked with the HHVM team on BOLT (Binary Optimization and Layout Tool). Worked on updating DWARF debugging information during binary optimizations using LLVM.
- FEB-MAY 2015 Software Engineer Intern at FACEBOOK
Worked on the Data Infrastructure team, implemented anomaly analyses for Hadoop clusters.
- OCT-2014 – JAN-2015 Software Engineer Intern at GOOGLE
Worked in the Search Quality team improving results of Google Web Search.
- JUL-DEC 2013 Software Engineer Intern at SMARTTBOT
Worked on various parts of the backend of the algo trading platform and implemented algorithmic trading strategies using Machine Learning.

OTHER ACHIEVEMENTS

- 2011 - 2015 Competitor and World Finalist
ACM - INTERNATIONAL COLLEGIATE PROGRAMMING CONTEST
I have trained for and competed very actively to algorithmic competitions. In 2014, my team qualified to the World Finals of the ACM-ICPC in Morocco, being 5th in the Brazilian Regional. In 2015, we were awarded a bronze medal in that regional.
- 2016 Science Slam Brazil finalist (national scientific communication contest)
EURAXESS - EUROPEAN COMMISSION
I was one of the 5 national finalists in the scientific communication contest held by the European Commission in Brazil. Graduate students and professors participated. I presented my OOPSLA paper with a small play that uses analogies between computer architectures and kitchens.
- 2017 Almundo Latin America Challenge Winner
ALMUNDO
Won a competition by an Argentine company which consisted of providing the best possible solution to an NP-hard problem inspired by the TSP. Won a full trip to Madrid.