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# Marcelo Novaes

## Software Engineer

### Education

#### MS in Computer Science (Aug 2016 - Expect. Aug. 2018. Trying early graduation in March 2018)

At Federal University of Minas Gerais (UFMG). Currently on Compiler's lab (<http://lac.dcc.ufmg.br/>). I'm trying to do energy-efficient code placement on embedded heterogeneous architectures using LLVM compiling infrastructure and artificial intelligence.

March 27-July 1st 2017: continued the master's research as an intern at LIRMM ([lirmm.fr](http://lirmm.fr)), Montpellier - France.

August 2017: advisor got a Google Inc. Latin America Research Award with my master thesis algorithm and the goal of applying it in the Android.

#### BS in Computer Science, 2011-2016

At Federal University of Bahia (UFBA). Class rank: 1st, class size 45. During 2014-2015, visiting student at University of Connecticut, Storrs, United States with GPA: 3.688. Senior project on Mathematical Logic.

### Experience

#### Harvard University - Summer 2016

- Undergraduate intern at Privacy Tools for Sharing Research Data (PTools)
- Field: Differential Privacy.
- Produced: PSIEval, an R package.

#### Stanford University - Summer 2015

- Undergraduate intern at Pervasive Parallelism Laboratory (PPL).
- Field: HPC and Deep learning
- Produced: Ouro (<https://github.com/Novaes/ouro>).

#### Internships at UFBA - 2011 to 2014

- Four Research and Software Development Internships: (1) Real Time Systems between 2013-2014, (2) Data Visualization and Testing in 2013 (3) Software Visualization in 2012 and (4) Centre of Data Processing in 2012.
- Volunteer as Web Developer at Junior enterprise InfoJr (between 2011-2012) and in the Center of Technological Innovation in 2012.

### Skills

#### Programming Languages

- Java, C++
- Scripting in Python

#### Applications/SOs

- LLVM
- Git
- Unix
- Tensorflow

#### Languages

- Portuguese (native), English (fluent), Spanish (intermediary)