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# Marcelo Novaes

## Software Engineer

### Education

#### MS in Computer Science (2016 - Expect. Aug. 2018)

At Federal University of Minas Gerais (UFMG). Currently on Compiler's lab (<http://lac.dcc.ufmg.br/>). Grade: 9.0/10.0. I'm trying to do energy-efficient code placement on embedded heterogeneous architectures using LLVM compiling infrastructure and artificial intelligence.

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

#### 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

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

#### Stanford University - Summer 2015

- 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
- Unix
- Git

#### Languages

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

### Awards

- Master's program scholarship recipient, CAPES.
- Fully funded U.S. scholarship recipient, Brazilian Scientific Mobility Program.