

# Alice Duarte Scarpa

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## Education

- 02/2015 - current **Master's in Mathematical Modeling of Information**, *Fundação Getúlio Vargas*, Rio de Janeiro, Brazil.
- 11/2014 - 02/2015 **Recurse Center**, New York, NY, USA.  
Activities include: Pair programming, study groups, attending workshops, giving presentations, working on several small projects (e.g. a Ray Tracer), studying computer science fundamentals.
- 03/2013 - 08/2014 **Master's in Mathematical Economics**, *Instituto Nacional de Matemática Pura e Aplicada*, Rio de Janeiro, Brazil.  
Incomplete
- 02/2009 - 02/2013 **Bachelor in Mathematics**, *Universidade Federal de Minas Gerais*, Belo Horizonte, Brazil.  
GPA: 4.2/5.0

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## Experience

- 05/2015 - 08/2015 **Automation Engineer Intern**, *Mozilla*, Outreachy, Remote.
  - Wrote backend tool to connect Rabbit message queues to Python continuous integration automation scripts.
  - Mentored new community contributors.
  - Worked as part of a team to automate commonly-used build infrastructure commands.
  - Wrote Flask web application to interact with Mozilla's build system API and trigger additional tests, a common pain point for developers.
- 2012 **Undergraduate Research Project**, *UFMG*, CNPq Scholarship.  
Studied Group Algebra focusing on p-groups with professor Ana Cristina Vieira.  
Assisted with conference organization.
- 2009 - 2012 **Tutorial Education Project**, *UFMG*, Department of Mathematics.  
Activities in Research, Education and Extension projects.

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## Open Source Contributions

**Test Informant**, *Tool to keep track of test suites ran by Mozilla*.

Doubled the number of suites covered by switching data collection to use an unified data source ("structured logs").

**Talos**, *Mozilla performance tests*.

Crunched last year's data to help reduce regression reporting time, determining how soon to report a regression as statistically significant.

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## Skills

- Tools Emacs, org-mode, L<sup>A</sup>T<sub>E</sub>X, Linux command-line utilities, and Git.
- Languages Comfortable with Python, dabbled in Scheme, JavaScript and C.
- Data Science Experience with IPython, Pandas and Matplotlib.