Isabella Basso do Amaral

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I'm passionate about technology and I truly believe that, in collaboration, we can build better software for a better world. My interdisciplinary background allows me to see problems from different perspectives, with strong bases in natural sciences and maths. I'm also a fast learner with a deep interest in getting to the bottom of things. I'm looking for challenges that will help me grow as a professional and as a person, in a career where I can explore the nature of complex systems and their applications, because that's where I believe I can make a difference.

Experience

Software Engineer

Red Hat

21/11 - Present

- Working with static analysis CI solutions for Fedora/RHEL RPM packages
- Updated a legacy codebase
- Leading open-sourcing efforts
- Supporting internal userbase

Internship

Data Machina

21/02 - 21/10

- Worked in a chatbot application
- Worked with payment, delivery, and location API integrations
- Worked with i18n
- Mentored another intern
- Worked directly with clients, in high demand situations

Education

Molecular Sciences BSc emphasis on maths & computer science

University of São Paulo

20/08 - 24/07

- Engaged in graph theory (previously), and parallel computing (currently).
- In my research project I'm evaluating graphics APIs and their respective usage and adoption in science
- Some courses I took: Graph Theory, Linear Algebra, Calculus, Differential Equations, Statistics, Probability, Numerical Methods, Computer Architecture, Algorithms and Data Structures, Operating Systems, Parallel Computing
- I also took courses in Physics, Chemistry, and Biology

Activities

Google Summer of Code participant

[summerofcode.withgoogle.com]

22/05 - 22/09

- Worked with AMD engineers to improve unit test coverage on their GPU driver for Linux
- Documented and improved existing code
- Here's a list of my contributions to the Linux Kernel: [git.kernel.org/]
- Here's a talk I gave about the project: [youtube.com/]

Skills

Programming

•II (≥2y): Bash (3y), C (2y), ATEX(2y) & Python (5y)

■■ (≥1y): C++, C# & Java ■□ (<1y): Haskell & Rust

Languages

■ Portuguese (native) & English (C1)

■ German (B1)

■□□ French & Spanish