

# ANA GONTIJO GRAÇA

Computational Mathematics with emphasis on Computational Sciences undergraduate

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## ABOUT

I'm a Computational Mathematics undergraduate, expecting to graduate in 2019's december. During my graduation I discovered my passion for linear algebra and data science. I developed good analytical vision and computational logics, thanks to the optative courses on computer science I took along with the mathematical basis of the course, being capable of applying math in diverse computational methods. In my free time I like to play and listen to music, play video games and board games and to help in volunteer work whenever I can.

## EXPERIENCE

### Internship - Junior Researcher

ENACOM

Jun 2018 – Jun 2019    Belo Horizonte, MG, Brazil

- I was one of the developers of Progen, simulator and multi-objective optimizer for hydroelectric cascades developed in the GT588 project.
- I developed the constraints treatment of the simulator based on the client's preference, aiming to optimize the water use, maximizing the power generation.
- I studied about uncertainty treatment in hydroelectric cascade's inflow prediction, using stochastic processes and data science.

## EDUCATION

### Bachelor degree in Computational Mathematics

Universidade Federal de Minas Gerais

Mar 2016 – Now    Belo Horizonte, MG, Brazil

- Artificial Intelligence
- Machine Learning
- Game Theory
- Graph Theory
- Software Engineering
- Linear Algebra
- Differential Equations
- Operational Research

## EXTERNAL COURSES

### CS50 Web Programming with Python and JavaScript

HarvardX

Sep 2019 – Now    EdX

- Flask
- CSS
- JavaScript
- SQL
- HTML
- Git
- Scalability

### Using Python for Research

HarvardX

Dec 2018 – May 2019    EdX

- Python
- Matplotlib
- Pandas
- Numpy
- SciKitLearn

## LIFE PHILOSOPHY

*"Do your best and you'll never have to regret."*

## PERSONALITY



### Ambitious

I like challenges and overcoming them. Activities where I have to think a lot and dedicate are my favorite.



### Serious and Sincere

I don't accept taking place in activities that go against the ethics or cause harm to someone.



### Girl in science

I always try to support my female colleagues, creating a net for getting over the challenges of being a woman in computer science and mathematics area.

## SKILLS

- Dedicated
- Leader and Organized
- Self-taught
- Analytical vision
- Determined
- Team work
- Python
- Git
- Linux systems
- HTML/CSS
- Modelagem Matemática
- C/C++
- Agile Method Scrum
- Optimization

## LANGUAGES

Portuguese  
English  
Spanish



## INTERESTS

Artificial Intelligence  
Optimization  
Machine Learning  
Math Modeling  
Web Development

