

Lima Éricles

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Education

- 2012–2015 **Technician on Computer Networks**, *CEFET-MG*, Belo Horizonte.
- 2016–2021 **Bachelor on Applied Mathematics and Scientific Computing**, *USP*, São Carlos.
- 2022 **Student**, *Data Science MBA*, USP São Carlos.
Where I study state-of-the art techniques in Data Science, and how to apply them on real-world projects (under a scholarship).
- 2022 ongoing **Cooperator in research**, *INCBAC Unigou research cooperation*, University of South Bohemia.
Where I study the Mask R-CNN and RefineMask techniques in instance segmentation, as applied to a specific agricultural setting.

Professional Experience

- 2021(dez)- **Research and Development**, *Samsung Research and Development*, Campinas.
2022(present) Where work with Samsung's R&D Projects, mostly related to some of its health products.
- 2021(march)- **Data Scientist**, *Monitora Tec*, São Carlos.
2021(dez) Where I work together with a team in the the Serasa Experian company in devising new solutions to their analytics problems, by means of data science.
- 2015(feb)- **Intern Web Programming**, *RockContent*, Belo Horizonte.
2015(july) Where I helped the company develop its content marketing platform with Ruby on Rails.

Computer skills

- Computer **Each has its use.**
languages Python, Javascript, Julia, Ruby, Lisp, C, Kotlin, Scala
- Soome major **In order of how long I've used them (many years to a couple of years).**
tools Linux, Git, Docker
- Major **Mostly machine learning related.**
frameworks Python machine learning ecosystem (numpy, pandas, scikit-learn, pytorch, tensorflow), ruby
and libraries on rails

Other Experiences

- 2016–2017 **Researcher on Constraint Logical Programming**, *USP*, São Carlos.
Development of research on Constraint Logical Programming, with a focus on optimization problems.
Study of methods and development of a didatic material on the subject (available on github at <https://github.com/ericlesaquiles/Otimizacao-por-restricoes-logicas/blob/master/doc/Complete/Complete.pdf>), with the view of making optimization methods more known to the public.

2017–2019 **Manager of local SIAM Student Chapter**, *SIAM Student Chapter*, São Carlos.
Management of Student Chapter activities (including math circles, seminars, movie clubs, prospection of members and others.)

2018 **Participant on Google Summer of Code, on EusLisp project with JSK of Tokyo University**, *Google/JSK lab*, (work done online) São Carlos.

Participation in events

2018 **Participant on RosCon 2018**, *Robotics conference, centered on the ROS software*.
View my lightning talk (English): <https://vimeo.com/293530266>, Madrid.

2017 **Presenter on Seminário de Coisas Legais (“Cool Stuff Seminar”)**, View the presentation entitled “Quando a incerteza for o que há de mais certo” (portuguese) at <https://www.youtube.com/watch?v=QAhXDxNBtUw>, São Carlos.

Volunteer at events

2018 **Volunteer at the General Assembly of Mathematicians**, *On the auspices of the International Mathematical Union, at the occasion of the International Congress of Mathematics.*, São Paulo.

2020 **Volunteer as a mentor at Technovation Challenge Brasil**, *In a try to help foster the healthy growth of the next generation*, São Carlos.

2021 **Volunteer as a monitor at School of Coding for Girls**, *A program undertaken by Universidade de São Paulo’s professors to introduce basic programmign skills to young high-school girls.*

Summer Courses

- Summer course on Advanced Calculus (calculus on manifolds) - ICMC USP, São Carlos, 2016
- Participant of International Summer School on Modern Mathematics for Students - Jacobs University, Bremen (Germany), 2017
- Participant of Hilbert-Bernays Summer School on Logic and Computation - held online by University of Göttingen, Göttingen (Germany), 2020

Other general interests/memberships

- Awarded honorary membership at the Edinburgh University’s Philosophy Society (PhilSoc), for my (online) participation in some of the reading groups;
- Member of the ASL (Association of Symbolic Logic);
- Passionate about traveling, prior to the pancemics I’ve been backpacking through Brazil, learning about meditation, various vegan recipes and more;