

LUCAS CHELINI CASTELLO

Computer Science and
Engineering Student

CONTACT

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EXPERIENCE

Software Developer

Mywork 2022 - 2023

- Full stack development internship, using mainly Ruby on Rails and React, but also technologies like GraphQL, Jest, RSpec, Cypress, FelaJS, among others.
- Initially using a custom method similar to Kanban, later changed to Scrum. TDD was also used
- Among concluded projects, stand out the remaking of the manager main panel and the planning and development of the vacation product.

UNICAMP E-Racing - SAE Eletric team

2019 - 2021

- Telemetry: frontend development of a web application serving as car telemetry, using React.
- Autonomous System - Vision (member): pipeline development for pose estimation of cones (track marking), using Python and YOLO. Integration of said pipeline to the rest of the autonomous system, using ZeroMQ.
- Autonomous System - Vision (manager): led a four people group aiming to accelerate said pipeline. Time improved by about a hundred times.

Embrapa, granted by PIBIC

- Auxiliated on a Bayer project in partnership with EMBRAPA to develop a carbon sequestration simulation model.
- Translated parts of the Century simulator from Fortran to R.
- Created Python scripts to automate auxiliary tasks, such as adapting data to Century's format, using Pandas.

PROJECTS

Bee Monitoring

- A monitoring device for beehives, usind Raspberry Pi Pico W, Micropython and Flutter

EDUCATION

Computer Engineering

UNICAMP 2019 - 2023

- Also majoring in Computer Science.
- Extra credits on digital images, machine learning, programming paradigms and advanced physics, among others.
- Experience with **Python, JavaScript (TypeScript), C, Java, SQL, React, Micropython, Haskell, Prolog, Fortran and Octave**

LANGUAGES

Native Portuguese, fluent English, basic German and Spanish