

# Pedro Folloni Pesserl

MY ADDRESS – Curitiba/PR – Brazil

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Computer Science undergraduate at Federal University of Paraná (UFPR). Interested in various areas of the computational knowledge, from Algorithm Theory to the study of Operational Systems and Computer Networks.

## Experience

### Scholarship – Centro de Computação Científica e Software Livre (C3SL).....

Federal University of Paraná, apr/2024–currently

Curitiba/PR

As a scholarship holder in the C3SL laboratory at UFPR, I help to create and maintain projects that aim to improve Brazil's digital sovereignty and benefit the Brazilian society in general. In C3SL, I have developed the following activities:

- **Database management:** In the C3SL Database Team, I work with the PostgreSQL and ClickHouse DBMSs, helping to maintain the databases used by other projects in the laboratory.
- **System administration:** Use of the many Linux virtual machines in C3SL's cluster to manage services and test software tools. Use of Docker to containerize those services.

### Scholarship – PET Computação UFPR.....

Federal University of Paraná, jun/2022–feb/2024

Curitiba/PR

I was a member of the PET Computação group at UFPR, and I took part in several projects aimed to improve the University and the external society. There, I practiced my creativity and team-working skills on a daily basis, in activities such as:

- **Web Development:** Use of the web framework Ruby on Rails for development of the project ADEGA, a tool for visualizing statistics related to the history of the undergraduate programs.
- **Treasury:** Management of resources earned for investment in equipment for the group.
- **Event planning:** I planned a trip with more than 30 students to participate in the event Roadsec 2023, in São Paulo.
- **Student groups:** I gave classes in student groups for disciplines of the Computer Science program.

### Research.....

#### Scientific Initiation

Curitiba/PR

- Federal University of Paraná

sep/2022–apr/2023

I participated in a mathematics research on generalizing arithmetic functions to categories. Topics: category theory and number theory. Advisor: Dr. Eduardo Hoefel, Department of Mathematics – UFPR.

### Volunteering.....

#### Voluntary Roadie

São Paulo/SP

- Roadsec 2023

jul/2023

I worked as an assistant to the main stage, collecting audience questions for the speakers, and remained in communication with the team to resolve any issues throughout the event.

## Education

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### Academic Qualification

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- **Bachelor in Computer Science** **Curitiba/PR**  
*Federal University of Paraná* *2022–2026 (expected)*

## Abilities

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- **Programming languages:** C, Bash, x86-64 Assembly, Pascal, VHDL, TeX, C++, Ruby, JavaScript.
- **Other languages and frameworks:** HTML, CSS, SQL, Bootstrap, Ruby on Rails, Raylib.
- **DataBase Management Systems:** PostgreSQL, ClickHouse, SQLite3.
- **Software tools:** Git, Github/Gitlab, Linux-based Operating Systems, Docker, GDB, Google Workspace, LibreOffice/MS Office.
- **Soft Skills:** good communication, conflict resolution, team management, quick learning.
- **Other:** good writing, abstraction and generalization skills in mathematics, interest in scientific research.

## Languages

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- **Portuguese** – Fluent
- **English** – Fluent
- **Spanish** – Basic
- **German** – Basic

## Interests and extracurricular activities

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- I participated in the first phase of the SBC Programming Marathon, in september of 2023, which took place in the campus Centro Politécnico of the Federal University of Paraná.
- I took a German class in the Center of Languages and Interculturality of UFPR (CELIN).
- I created a Tetris-based game in the language C to play in the Linux terminal, available in <https://github.com/pedropesser1/tetric>.
- I developed a physics simulator of gravity applied to bodies in space, also in C, with a GUI written with the library Raylib. Available in <https://github.com/pedropesser1/nbody>.