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

Scolarship – PET Computação UFPR

Federal University of Paraná, 2022–Currently **Curitiba/PR**

I'm a member of the PET Computação group at UFPR, and I take part in several projects aimed to improve the University and the external society. There, I practive 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 give 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

Academic Qualification

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

Abilities

- **Programming languages:** C, Bash, x86-64 Assembly, Pascal, VHDL, TeX, C++, Ruby and JavaScript.
- **Other languages and frameworks:** HTML, CSS, Bootstrap, Ruby on Rails, Raylib.
- **Software tools:** Git, Github/Gitlab, Linux-based Operating Systems, GDB, Google (Drive, advanced search, Spreadsheets, Docs, Slides, Forms, Calendar etc.), 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

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

Interests and extracurricular activities

- 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/pedropesserl/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/pedropesserl/nbody`.