

Pedro Sydenstricker

Back-End Developer | École 42 | Software Engineering

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EXPERIENCE

Back-End Developer – Project Garrafa no Mar.

05/2023 – present

Back-End Developer on the charity application Garrafa no Mar.

<https://projetogarrafanomar.glideapp.io/>

PROJECTS

Minishell

Reconstruction of a C minishell based on the bash model. Implementation of pipes, redirects and heredoc. Also, recreation of builtins such as echo, cd and export.

Skills: C, Bash, memory management, programming logic and software architecture..

<https://github.com/psydenst/minishell.git>

Cub3d

Development of a 3D game in the C language; with DDA and raycasting implementation.

Skills: Graphics, sprites, textures, C, memory management, and algorithms.

<https://github.com/psydenst/Cub3d>

Philosophers

Computational parallelism project, which solves Edsger Dijkstra's classic philosophers' dinner problem.

Skills: Threads, C, mutex, shared memory and memory management.

<https://github.com/psydenst/philosophers>

C++ Piscine

Development of modules that exploit the foundations of C++ and object-oriented languages.

Skills: C++, Namespaces, Classes, Member and Non-Member attributes and functions, New and Delete, References, File stream, Canonical Form and Operator overload

<https://github.com/psydenst/Cpp>

EDUCATION

Software Engineering, École 42

05/2021 - presente.

Cadet at École 42, Rio Campus.

SKILLS

C++

C

Go

Python

Shell Script

Git

Linux and MacOS

Memory Management (Valgrind e Leaks)

PORTFOLIO

www.psydenst.com

AWARDS

More than 15 projects were delivered at École 42, the sixth best university in the world for Software Engineering according to WURI.

Full scholarship at PUC-Rio, for academic performance in the entrance exam.

Selected for the Academic Exchange UFRJ-Sorbonne (Paris, FR). It took place from 08/2019 to 06/2020.

Scientific Initiation Fellow in the area of Philosophy, Technology and Society (PUC-Rio/CNPq).

LANGUAGES

Fluent English (dual Brazilian and American citizenship), fluent French and fluent Portuguese.

