Felipe Pinto

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To see a world in a grain of sand
And heaven in a wild flower
Hold infinity in the palm of your hand
And eternity in an hour

Summary

Motivated and adaptable Chemical and Biochemical Engineering student with a strong self-taught background in programming. Open-source contributor and maintainer, with experience in Linux systems, scripting and version control. Proficient in Nix, Python, JavaScript, Bash and other languages & tools, with a passion for continuous learning. Currently seeking an opportunity to support my studies while gaining real-world experience in a field closely aligned with my interests.

Technical Skills

Programming Languages: Nix, Bash, Python, JavaScript, Lua, VBA, SQL, Rust (learning).

Tools & Technologies: Git, Nix Shells, LaTeX, LibreOffice Calc, Excel, FFmpeg, Neovim, shell scripting, terminal.

Operating Systems: Linux (daily driver), macOS.

Languages: Portuguese (native), English (fluent).

Work Experience

2019→2022

Volunteer Technology Developer
Colégio Ciências Aplicadas, Brazil
- Created an Excel + VBA tool to automate grading and generate statistical reports. The tool is still in use and provided tangible value to educators.
- Designed a promotional website using Wix and JavaScript to offer the grading tool as a service. Project halted before launch due to technical limitations and operational constraints.
- Developed a course registration website using Wix and JavaScript. Designed layout and handled front-end scripting; project discontinued due to lack of payment system and user account handling.

Open Source Projects

2025→present

Maintainer & Contributor
Nixpkgs – NixOS Project
- Maintainer of packages on the official nixpkgs repository on github.
- Collaborate with a global open-source community using Git, Nix and CI/CD tools.

2020→present

Personal Projects
Independent
- Developed small applications and services using Bash, Nix, Python and Rust.
- Created and maintained personal Nix packages and system configurations.
- Over 60 repositories across GitHub and GitLab.

Education

2021→present

Bachelor's in Chemical and Biochemical Engineering
NOVA FCT (School of Sciences and Technology), Portugal
- Final-year student. Expected graduation: 2026–2027.
- Relevant coursework: Informatics for Science and Engineering (Python, SQL).
- Note: Studies temporarily on hold for one year (2025–2026) to fund tuition through full-time employment.

2017→2020

Bachelor's in Electrical Engineering
UFRN (Federal University of Rio Grande do Norte), Brazil
- Completed 3 years of coursework before tranferring to current program.
- Relevant coursework: Algorithms and Logic of Programming (C), Object-Oriented Programming (C++).