

Léo Benito

LOW LEVEL ENGINEER

Paris, France

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Education

EPITA

Le Kremlin-Bicêtre, France

M.S. IN COMPUTER SCIENCE

2019 - Exp. 2024

- Currently 5th year student at EPITA
- Specialized in low level programming and embedded systems
- Linux driver development, embedded system programming, PCB design, RTL design

Czech Technical University

Prague, Czech Republic

SEMESTER ABROAD

Feb. 2021 - Jun. 2021

- IT faculty

Skills

Programming languages	Rust, C, C++, Python, Shell, Assembly, VHDL, JavaScript, Lua, C#, Java
Databases	PostgreSQL, Redis, MongoDB
Tools	git, Make, \LaTeX , Docker, CI/CD, Ansible, Vagrant, Terraform, Buildroot, Ghidra, Kicad
Operating systems	GNU/Linux, Windows
Languages	French (native speaker), English (TOEIC: 945)

Experiences

Stockly

Paris, France

SOFTWARE ENGINEER

Sep. 2022 - Jan. 2022

- Development of multiple internal services to improve stocks management, development of typesafe interfaces
- Technologies used: Rust, PostgreSQL, gRPC, Docker

LSE - EPITA Systems Laboratory

Le Kremlin-Bicêtre, France

STUDENT RESEARCHER

Jan. 2022 - Feb. 2023

- exokernel experimentations on BCM2835
- k: A small x86 kernel with drivers for PC devices
- my_mips: A MIPS-I emulator featuring dynamic recompilation
- my_ldso: A minimal reimplementation of ld.so

Treezor

Paris, France

SOFTWARE ENGINEER

Jun. 2021 - Aug. 2021

- Development of an embedded Ledger application, interaction between the device and the web browser
- Technologies used: C, Make

Projects

avocados

Online

DEVELOPER

June 2023 - Now

- Hobby x86-64 kernel featuring multiboot2 support, PMM, VMM, partial ACPI support, HPET, ...
- Trying to apply good code practices to make code more reliable

Homelab

At home

SYSADMIN, DEVOPS

Jul. 2021 - Now

- Maintenance and development of multiple services hosted on my own server
- Technologies used: Docker, Ansible, Vagrant, Nginx, OpenSSL

Prism

Villejuif, France

DEVELOPER

Sep. 2020 - Dec. 2020

- Development of an OCR software
- Technologies used: C, Make, Unity test framework, GTK, GitHub Actions, Docker

ORA

Villejuif, France

PROJECT LEADER, DEVELOPER

Jan. 2020 - May 2020

- Project leader and developer of ORA, a peer to peer storage application
- Technologies used: C#, Travis CI, React
- Methods used: TDD, GitHub Flow