

LUCAS PLUVINAGE

A 28 years-old full stack developer

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📍 Paris, France

🌐 lortex.org

🔗 github.com/TheLortex

EXPERIENCES

Software engineering - Rust backend

amo

📅 May 2023 – November 2024

- Ecosystem of social applications (iOS / Android)
- Embedded mobile / systems at scale
- Presentation at Rust Paris 2024

Software engineering

Tarides

📅 October 2020 – July 2023

- Working on the MirageOS project
- Unikernels, cross-compilation

Research internship

DI - École Normale Supérieure

📅 April – September 2020

- Theorem extraction from PDF articles using conditional random fields
- As part of the TheoremKB project

Software engineering

Tarides

📅 March – July 2019

- Build system integration in the MirageOS project as a follow-up to my Cambridge internship
- Work presented at ICFP 2019 - OCaml workshop

Research internship

OCaml Labs - Cambridge Computer Laboratory

📅 March – July 2018

📍 Cambridge, UK

- Wrote a native compilation backend for the OCaml compiler targeting ESP32 microcontrollers.
- Ported the MirageOS unikernel library for this system
- Made a talk on this work at ICFP (International Conference on Functional Programming) 2018 - OCaml workshop

Research internship

CVLab - EPFL (École Polytechnique Fédérale de Lausanne)

📅 June – August 2017

📍 Lausanne, Switzerland

ACHIEVEMENTS

- Winner of Prologin, a national AI programming contest (2014)
- Top 2 of Speed Data Scientist, a prediction challenge (2017)
- Winner of Coding All Star, a programming contest (2017)
- Various participations to Google Hashcode/Codejam/Facebook Hacker Cup

EDUCATION

IASD Master

PSL Reseach University

📅 2019 – 2020

- Master program in AI Systems and Data Science

Master's Degree in Computer Science

École Normale Supérieure

📅 2017 – 2020

Bachelor's Degree in Computer Science

École Normale Supérieure

📅 2016 – 2017

- With highest honors
- Also attended courses from the cognitive science department

CPGE - Undergraduate program

Lycée Louis-le-Grand

📅 2014 – 2016

- Preparation to the national competitive admission to the "Grandes Écoles", including the ENS
- Intensive program in maths, physics and computer science

Baccalauréat

Lycée Louis Armand

📅 2014

📍 Eaubonne, France

- Scientific section
- With highest honors

SKILLS

- Programming languages: Python, C++, OCaml, Rust
- Language theory, graph theory, general purpose algorithmic
- Web applications: TypeScript / HTML / CSS
- System programming, low-level programming
- Computer vision, practical machine learning, TensorFlow, PyTorch
- Every day usage of Git and Linux environment

INTERESTS

- Privacy and self-hosted systems
- Type-safe applications
- Compilation and functional programming
- Robotics / Perception / Cognitive sciences