



Lucas Pluinage

21 years old · Master's student · Computer science
École Normale Supérieure of Paris · Graduation in 2020

lucas.pluinage@ens.fr · +33 6 40 93 80 27 · lortex.org · TheLortex

Experiences

Talk at ICFP'18 · OCaml Workshop · *St. Louis, Missouri* Sep. 2018
International Conference on Functional Programming
OCaml on the ESP32 chip: Well Typed Lightbulbs Await

SWERC volunteer · *Southwestern European Regional Programming Contest* Nov. 2017

IA² · Fall school in artificial intelligence Oct. 2017
INSA Lyon · A week of lectures about artificial intelligence
and game theory (see ia2.gdria.fr)

Advanced school project Mar. · May 2017
A Raspberry Pi operating system
Featuring a preemptive macro-kernel, a shell, processes, virtual
memory, signals, ext2 filesystem, Linux-like mounting points,
and a graphical mode

Competitive programming 2011 · 2018
Onsite | Prologin: *AI programming contest* · 1st in 2014
Speed Data Scientist: *a prediction challenge* · 2nd in 2017
Coding All Star · 1st in 2017
Online | Google Code Jam · Facebook Hacker cup · BattleDev

C'Space event Summer 2013 · 2015
The national amateur space projects launch campaign
organised by the CNES (French Space Agency)
2013 · 2014 | *Worked on several high-altitude balloons*
2015 | *Participation as a volunteer*

Game project · Pokman 2014
Let's learn Android programming !
The game hit 200.000 downloads on the Play Store

Skills

- Good knowledge of programming languages

Python
C++/OCaml/Rust
Java/C#
- Javascript / HTML / CSS for Web applications
- Language theory · Graph theory · General purpose algorithmic
- System programming · Low-level programming
- Computer architecture · Compilation
- Computer vision · Practical machine learning · TensorFlow · PyTorch
- Every day usage of Git and Linux environment

Education

First year of Master's Degree summa cum laude

Internship Mar. · July 2018
University of Cambridge Computer Laboratory · *OCaml Labs*
Native OCaml compiler support on the ESP32 microcontroller

Bachelor's Degree in Computer Science summa cum laude

Internship Jun. · Aug. 2017
Ecole Polytechnique Fédérale de Lausanne · *CVLab*
Mean-field inference and machine learning applied to Sudoku

École Normale Supérieure · Paris 2016 - 2020
4-year university program in the Computer Science department
Also following cognitive science courses

National entrance exam · Admission to the ENS

Lycée Louis-le-Grand · Paris 2014 - 2016
Intensive program in maths, physics and computer science
Preparation for national competitive admissions

Baccalauréat · National high school exam summa cum laude

Lycée Louis Armand · Eaubonne 2011 - 2014
Scientific high school

Languages

- Native French
- Fluent in English
- Some basics in Spanish and Swedish

Interests

- Robotics / Perception / Cognitive science
- Movie realization and editing
- Improvisational theatre