





Lucas Pluvinage

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

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Experiences

► Talk at ICFP'18 · OCaml Workshop Sep. 2018

I've been invited to present my internship's research:
OCaml on the ESP32 chip: Well Typed Lightbulbs Await

► SWERC volunteer Nov. 2017

A week-end volunteering for the *Southwestern European Regional Programming Contest*

► IA² · Fall school in artificial intelligence Oct. 2017

INSA Lyon · A week of lectures about artificial intelligence and game theory (see ia2.gdria.fr)

► A Raspberry Pi operating system Mar. · May 2017

Advanced school project, by groups of two:
an OS 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 | I worked on several high-altitude balloons, in charge of the telemetry software.
2015 | Participation as a volunteer

► Game project · Pokman 2014

A small project to 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

► University of Cambridge · OCaml Labs

Mar. · July 2018

Research internship under the supervision of Anil Madhavapeddy on **systems** and **compilation**:
Native OCaml compiler support on the ESP32 microcontroller



Bachelor's Degree in Computer Science summa cum laude

► EPFL · CVLab · Lausanne, CH

Jun. · Aug. 2017

Research internship under the supervision of Pierre Baqué and Pascal Fua on **computer vision** and **machine learning**:
Variational inference methods and machine learning applied to Sudoku

► École Normale Supérieure · Paris, FR

2016 - 2020

4-year university program in the Computer Science department pursuing Bachelor's and Master's degree
Also following cognitive science courses



National entrance exam · Admission to the ENS

► Lycée Louis-le-Grand · Paris, FR

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, FR

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