





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 · *St. Louis, Missouri, USA*

International Conference on Functional Programming
OCaml on the ESP32 chip: Well Typed Lightbulbs Await *Sep. 2018*

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*
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*

Internship · *Cambridge, UK* *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 · *Lausanne, CH* *Jun. · Aug. 2017*

Ecole Polytechnique Fédérale de Lausanne · *CVLab*
Mean-field inference and machine learning applied to Sudoku


École Normale Supérieure · *Paris, FR* *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, 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