



Using Light to change the Future of Computing

Job offer (posted Mar 28, 2019)

C++ / Embedded Software Engineer

LightOn seeks to expand its team with a software engineer specialized in systems programming, mainly C/C++ and Xilinx environment.

Environment

At [LightOn](#), we develop a disruptive computing technology called Optical Processing Unit, or OPU for Artificial Intelligence. These optical co-processors designed for Machine learning applications combine very fast computations and low energy consumption.

Our OPU technology is now accessible through LightOn Cloud, a cloud dedicated for businesses and the Machine Learning and AI community who have a need to perform analysis/prediction on very large data.

The team at LightOn is international and brings together a dozen engineers from many different background in Machine Learning, Optics and Computing, who share the same passion for developing a disruptive cutting-edge technology. LightOn is currently located in the heart of Paris.

Profile

For this position, we require a Master's degree in Electrical/Computer Engineering or equivalent. You must have a good knowledge of C++. You've already programmed in the Xilinx ecosystem, and knowing CMake or Python would be a plus. You have knowledge in developing for embedded systems, and have a genuine interest in high performance computing.

You thrive in a startup environment that requires autonomy, and enjoy daily challenges in a highly innovative context.

Main tasks

- Develop and test software APIs for machine vision components under Linux
- Test embedded electronic processing boards, and develop software interfaces for them under Linux
- Develop, test and document signal processing algorithms
- Maintain and improve existing user libraries, make corrections related to OPU user feedback

Full-time position based in Paris, France, to be filled as soon as possible (35 h / week, 5 week holidays). Salary according to profile and experience. Candidates are expected to have the right to work in EU, although all exceptional profiles will be considered.

How to apply

Send your application with detailed CV to jobs-embedded@lighton.io