



# Florian Le Vern

COMPUTER SCIENCE ENGINEER

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## Technical & Personal Skills

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### Programming Languages

PYTHON, C, C++, JAVA, C#, BASH, HTML/CSS/JAVASCRIPT.

### Conception

UML, Scrum, Continuous Integration, Continuous Delivery.

### Development tools

Git, Jenkins, Docker, Puppet, Capistrano,  
Visual Studio, IntelliJ, Eclipse, Atom.

### Operating Systems

GNU/Linux, Mac, Window.

### Databases

POSTGRESQL, MYSQL, ORACLE, SQLITE.

### General business skills

Good command in technical English IELTS 7, TOEIC 860.  
Good presentation skills.

### Technical interests

Distributed Networks, Artificial Intelligence,  
Image processing, Human-computer interaction.

## Work Experience

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### MAPPY

BACKEND DEVELOPER

*Paris, France*

*Since May 2017*

- Internship and then hired as a developer.
- Active participation in the Scrum method, preparation of sprint plannings, scrums of scrum, JIRAs.
- In charge of the evolution and maintenance of 4 search engine APIs using the Apache Solr tool.
- Conception et development of the auto-complétion, making the use of this service rise from 35% in August 2017 to 64% in June 2018.
- Establishment of internal tools for testing, statistics and monitoring.
- Organization and redesign of data update processes with developments in JAVA and SQL.
- As a DevOps, evolution of internal scripts of continuous integration and continuous delivery.
- Technology watch, competitive studies and knowledge transfer on the principles and uses of Machine Learning.
- Acquired skills in geomatics, I became a contributor to the open data project OpenStreetMap and participated in events about geography (Foss4g, SOTM).

### Internship in Mr. Saito Research Laboratory at Keio University

*Tokyo, Japan*

PHD STUDENT ASSISTANT IN COMPUTER VISION

*Jun. 2016 - Sept. 2016*

- Developed a C++ software estimating the pose of non-overlapping cameras filming the same scene thanks to an omnidirectional camera and the epipolar geometry theory.

### Internship in the IT section of AS24 (subsidiary of TOTAL)

*Saint-Herblain, France*

SOFTWARE ENGINEER & DATABASE ENGINEER

*Jul. 2015 - Aug. 2015*

- Created a C# application with Visual Studio in order to manage file collections via FTP and SFTP.
- Implemented a PL/SQL package in Oracle designed to process the collected files.

## Notable Academic Projects

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In teams of 3 to 7 students, designed and developed:

- a Convolutional **Neural Network** using **TensorFlow** as the final project of UCSC Machine Learning class.
- a fault-tolerant **distributed** key-value store in **Python** as the final project of UCSC Distributed Systems class.
- an **online platform** allowing CS students to do exercises in C. Experienced the **SCRUM method** during 6 months.
- a centralized **Peer-to-Peer** system in **C++** as the final project of ENSEIRB TCP/IP Network class.
- a **database** and its **GUI**, in **SQL** and **Python/HTML/CSS**.

See more details on my online portfolio: <https://www.flevern.me/education>

## Education

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### University of California, Santa Cruz

*Santa Cruz, USA*

EXCHANGE STUDENT COMPLETING A MASTER'S DEGREE IN CS

*Sept. 2016 - Apr. 2017*

- Member of the three selected students from Bordeaux schools to spend one semester at UC as an exchange student.
- Obtained Aquimob merit scholarship.

### ENSEIRB-MATMÉCA (Graduate School of Engineering)

*Bordeaux, France*

MASTER'S DEGREE IN COMPUTER SCIENCE AND ENGINEERING

*Sept. 2014 - Apr. 2017*

- Salutatorian of the 2017 promotion.

### Lycée Lakanal

*Sceaux, France*

SUCCESSFUL CANDIDATE AT THE CONCOURS COMMUN POLYTECHNIQUE

*Sept. 2012 - Jun. 2014*

- A 2-year intensive Mathematics and Physics course in preparation for the selective entrance examination to French engineering schools.

## Interests

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BAFA (French diploma for youth leaders) obtained in 2013.

**Travel:** USA, Japan, China, Great Britain ...

Secretary-General of AEI (Junior Company) in 2015.

**Music:** 7 years of flute and 2 years of drums.

Member of the school Theater Club in 2015.

**Arts:** 3 years in high school and in an art center.