ANTONIN LENFANT

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# Software Engineer

Currently working at Criteo

## Work Experience

**Since Feb. 2016**
*Software Engineer* at *Criteo* in the Mobile and tracking team
- Creation of *Software Development Kits (SDKs)* for the various mobile platforms (iOS et Android) in Objective-C and Java
- The team is also responsible for identification and tracking of users on merchants' websites, and so I also work on *backend servers and C#.Net libraries* development in order to do so

**Jan 2014-Now**
*Lead Developer* at *Mobeye* under the CTO, Benjamin Toueg.
- *Backend* (Python/Django, PostgreSQL database): REST API; improved interface to facilitate the validation process; overhaul of customers reporting with Bootstrap interface using AJAX with filtering and graphical representation features; internal databases management; financial reports creation; internationalization; data model refactoring and optimizations
- *Android and iOS mobile apps* (Java and Objective-C / Swift): Redesign; porting the QuickDialog library to Java; sending files to Amazon S3 and internationalization

**Feb.-Aug 2013**
*Visiting Student Researcher* at *Stanford University* in Professor Evan Reed's Materials Computation and Theory Group. Experimental data mining on several molecules' properties. Design of a Python software to analyze a chemical reaction using graph theory. Mentioned as a coauthor in a paper in the Journal Of Physical Chemistry that used my results

**Jul.-Dec. 2011**
*Developer* for *Smart Impulse* (energy sector). Complete Frontend and Backend Design in PHP (Yii Framework), MySQL, Javascript and HTML5/CSS; communication protocols with embedded computing; utilities in C++ using SQLite

**Feb. 2011-Jan. 2013**
*Consultant* for *Junior ISEP* (ISEP's Junior Enterprise, a student-run consulting company) in a three-person team. Development of a recruitment website project on behalf of a client using PHP/MySQL and the CakePHP Framework. Integration of payment by BNP Mercanet

## Education

**2013**
*Stanford University* – Attended several courses as an auditor: CS246 Mining Massive Data Sets; CS244B Distributed Systems; CS276 Information Retrieval and Web Search

**2008-2013**
*ISEP Paris* – Preparatory cycle then engineering studies leading to a Master's Degree in Software Engineering. *Valedictorian* (average 17.04/20). Some group projects detailed below

**2012**
*Online courses* – Followed several courses on Udacity : Introduction to Computer Science; Programming Languages; Introduction to Theoretical Computer Science

**2008**
*Lycée Claude Monet, Paris* – Baccalauréat S with honors

## Personal and School Projects

**2015**
*Food delivery search engine* on multiple delivery services (Python using the Flask framework)

**2012-2013**
Development of a complete *ad network* for a website in PHP (Yii Framework) and MySQL.

**2011-2013**
*School Projects:*
- *Final year project*, specification and development of a *medical Android application for a NGO* using Java, the Android SDK and SQLite
- Development of a *2D Worms-like game in Java* in a team of 5, using the Slick library.
- *Carpooling website* in a team of 7 students for a course

## Skills

**Computers**
Proficiency in Java, C#, Python, PHP/MySQL, HTML CSS and Javascript; basics of C and C++ Mastery of Windows, OSX and Linux, as well as PostgreSQL and MySQL databases

**Languages**
Native French, fluent English (TOEIC score of 980 over 990), basic Spanish and Chinese

## Interests

**Computers**
Regularly reading the latest technology, software and website development news

**Hobbies**
Reading, traveling, cultural visits and cinema. Biking, hiking and skiing