ANTONIN LENFANT

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Software Engineer
Currently working at Mobeye

Work Experience

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
Jan. 2011-Feb. 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 : CS101 Introduction to Computer Science; CS262 Programming Languages; CS313 Introduction to Theoretical Computer Science, all completed with a certificate of highest distinction
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. Management of all aspects from the creation & sale of ad spaces to payment and full statistics
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. Several design patterns such as Observer, Composite, State-Based and Singleton
	• Development of a *carpooling website* in a team of 7 students for a course. Realization of a MVC framework and then of the website, using PHP, MySQL, HTML and JQuery

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