

MAXIME COLOMB

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## **Educational History**

University of Saint Etienne, Department of Geography      2012/2013

*Master degree in Geographical Information Systems (GIS), research specialization*

I've undertaken my final year of study at the Geography department preparing a master degree about focusing on GIS and its diverse applications. Created in partnership between ENISE and the University of Geography of Saint Etienne, it dispenses an engineering formation in informatics sciences merged with the general knowledge of the French universities. We are learning all the tools of GIS systems: GeoWeb, 3D modeling, Remote Sensing or network processing, as well as spatial or diachronic analysis, management of environmental projects, multicriteria analysis. I earned my master degree with distinctions.

Ecole Nationale d'Ingénieurs de Saint Etienne

2008/2013

*Master Degree in Civil Engineering with the French Engineer title*

The ENISE is providing an engineering diploma focusing on the technique in five years. Three five month internships are included to the education. I developed a rigorous way of thinking very useful to solve any kinds of problems. I also learnt how to lead a project and deal with objectives, human being and physical and technical problems. The teaching was diverse, focusing on the civil engineering but providing a general scientific knowledge while human science provided useful general learnings.

Claude Lebois High School

2008

*Scientific Baccaauréat (equivalent to the International Bacclauréat) with distinction (Equivalent to a 3.9 GPA)*

Scientific Baccaauréat specialized in engineering sciences, with distinctions.

# Relevant Work Experience

Freelance contractor in GIS services

2013/2014

*Saint Etienne, auto-entrepreneur regime*

As I plan to reach for a PhD in 2014, I wanted to use my sabbatical year in a most efficient way. I started a micro business providing multiple GIS services. Mainly presented on my professional website (<http://maxime-colomb.eu/en/home.html>), I can also proceed to a large range of different tasks regarding to the GIS field such as mapping. This activity is rich in multiple ways because it's giving me an opportunity to interact with the professional world and increase my knowledge. In the same time give me a good way to earn money for my travels. Here is the main tasks I undertook:

- *Mapping operation for the construction of a rice center production in Laos with Les Ateliers de la Peninsule.*
- *Spatial analysis concerning the location of Zaatara W Zeit bakery's customers in Beirut.*
- *Semantic help for the conception of a map concerning the artistic project interzone playground in Athens.*
- *First learning of GIS for architecture students, using QGIS.*
- *Mapping command for the BIMBY project of architect Marie Clement.*

Labex IMU, Intelligence des Mondes Urbains

March /August 2013

*Lyon - Saint-Etienne, Researcher*

As my final year project I have undertaken an original research studying the urban locating. Two fundamental concepts were analyzed: the creation and use of Landmarks, and the idea of neighborhoods. I developed a website to collect this information. With an advanced mapping interface, this tool provides all the information on how people orientate themselves in the city. I process with the data created and made conclusions. Applied only in Saint Etienne, the site is still accessible here: <http://evs.host-ed.me/>. This subject has been taken up by a group of master students.

USC, Center on Megacities

February 2012/ June 2012

*Los Angeles, Research fellow*

I was integrated in the Megacities Laboratory at the Department of Civil and Environmental Engineering for an urban simulation pre study. I worked towards applying Entropy-Maximizing concepts and dynamical equation to build a model of Los Angeles. Largely based on Alan Wilson's work about comprehensive sciences, I developed a model for housing supplies. I worked in considerable autonomy on those subjects that I hadn't previously known at that point. It was a great period of discovering a new country and a new professional path. I did a successful presentation in front of my American and French teachers.

SRC Floriot

February 2011/ June 2011

*Intern Work Supervisor*

Carrying out the role of assistant site manager, I was trusted by superiors to do organization and administrative tasks on a hospital building site. The project was complicated and cost 29 million Euros. I was also responsible for secondary work on the old hospital.

## **Other work experience**

**January 2013:** I've participated in a project with artists and civil engineer students in order to restore a former industrial harbor in Port St. Louis du Rhone. The projects were presented to local officials.

**November 2011:** I participated in a one-week design consortium with multidisciplinary students, businessmen, artists, architects, sociologists, and engineers. The main theme was obsolescence.

**2009 – 2011:** I gave mathematics and physics lessons to high school students

## **Hobbies**

I love traveling. I visited most of the biggest cities on the west coast of America. I also have strong relationships with the people and the state of Louisiana. I've also visited many of the main European cities. I am currently discovering Asia.

I love writing. I am managing a blog where I relate my travels and some music and films reviews.

I play music and I love it. I know guitar and harmonica. I sing and play guitar in a small band.

I enjoy most sports, particularly hiking, climbing and playing handball.

## **Skills**

### Software mastered:

ArcGIS, QGIS, GRASS  
Autocad  
Illustrator/inkscape  
Microsoft Office Suite  
Familiar with Linux environment

### Languages knowledge:

English fluent  
German professional  
Spanish basic  
Lao beginner

### Informatics languages:

Python  
SQL  
HTML/CSS  
Basics in Php and JavaScript

### First aid certificate

### Clean driving license