

# Xavier Guihot

## Data Engineer

1544 avenue Jules Grec, 06600, Antibes, FR

Born in 1990

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[XavierGuihot](#) [in XavierGuihot](#)

Big Data Engineer with 3+ years of experience in interpreting and analyzing data for driving business solutions. I am highly proficient at building complex and efficient Scala/Spark data pipelines. While mainly focusing on data mining, I also enjoy displaying data in a meaningful way.

### SKILLS

#### Data Mining

Master

[spark](#) | [scala](#) | [etl](#) | [hadoop](#)

#### Data Visualisation

Advanced

[d3](#) | [python](#)

#### Full Stack Developer

Advanced

[mongodb](#) | [django](#) | [javascript](#) | [tdd](#)

#### Data Science

Advanced

[clustering](#) | [hyperparam tuning](#) | [bi](#) |  
[ab testing](#) | [sampling](#)

#### Travel Industry

Advanced

[flight search engine](#)

### WORK EXPERIENCE

**Software developer - Data engineer** at Amadeus IT Group **October 2014- Current**

📍 **Sophia Antipolis, (FR)** <http://www.amadeus.com>

Amadeus is a global distribution system providing search, pricing, booking, ticketing and other processing services in real-time to travel providers and travel agencies.

I am part of the data mining team in charge of the flight search engine analytics.

- Development of many Spark pipelines over billions of records on 30TB-RAM hadoop clusters
- Full stack development of Travel Intelligence visualisation webapps
- Customer choice modeling in order to improve and adapt which flight recommendations are returned, resulting in verified conversion improvements (up to 10%)
- Main role into transitioning workflows and pipelines into Amadeus new Hadoop production cluster (architecture, testing, resiliency, monitoring, git loading container principal reviewer)

**Final year internship** at Airbus Group **April 2014- October 2014**

📍 **Toulouse Blagnac, (FR)** <http://www.airbus.com>

Airbus is a multinational corporation that designs, manufactures, and sells civil and military aeronautical products worldwide.

During my final year internship, as part of the simulation department, I've had the opportunity to develop a workflow editor tool.

- First full-stack development experience, getting through each step of the application development cycle

**Internship** at Karlstad University **July 2013- August 2013**

📍 **Karlstad, (SE)** <https://www.kau.se/en>

TCP simulations with NS2 (network simulator) of large-scale experimental measurements on different cellular networks using different technologies (3G, 4G, TCP variants, ...).

### EDUCATION

**Engineering School** at ISAE SUPAERO

**2011 - 2014**

📍 **Toulouse, (FR)**

**Major courses:** [critical computer systems](#) | [intelligent systems](#) | [aeronautics](#) | [mechanical engineering](#) | [avionics](#) | [fluid mechanics](#)

ISAE: Graduate Institute of Space and Aeronautical Engineering.

French equivalent of a Master's Degree in Engineering.

**University** at Paris South 11

**2009 - 2011**

📍 **Orsay, (FR)**

**Major courses:** [maths](#) | [physics](#) | [computer science](#)

Two-year university degree in mathematics and physics (DEUG).

Ranked 2 out of 307 in physics and 5 out of 307 in mathematics at the CCP DEUG entrance exam for engineering schools.

### LANGUAGES

#### French

Native speaker

#### English

Fluent

### INTERESTS

#### Sport

#### Coding

#### Travel

Skills acquired: swimming | cycling | sailing | skiing

Skills acquired: hackerrank | personal projects

Skills acquired: youtube