

Xavier Guihot

Data Engineer

Penywern Road, SW5 9SX, London, UK
Born in 1990

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

Big data engineer with a background in aeronautics focusing on Scala, Spark and data visualization.

SKILLS

Data Mining

Master

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

Data Visualisation

Advanced

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

Full Stack Developer

Advanced

[mongodb](#) | [java](#) | [sql](#) | [javascript](#) | [tdd](#)

Data Science

Advanced

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

Travel Industry

Advanced

[flight search engine](#)

WORK EXPERIENCE

Data engineer at Adthena April 2018- Current

📍 London, (UK) <https://www.adthena.com>

Adthena is a fast growing start-up and the market leader in Competitive Intelligence for Search. By monitoring millions of search terms on a daily basis, Adthena helps digital marketers understand their paid and organic search landscape and improve campaign performance.

As a data engineer, my role consists in leveraging the massive amount of collected data and serving it to the client facing web application.

- Java backend development: building and maintaining application's endpoints serving SQL data from Amazon Redshift instances
- Development of Scala/Java Spark pipelines on AWS clusters (Amazon Web Services)

Software developer - Data engineer at Amadeus IT Group October 2014- April 2018

📍 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 Scala/Spark pipelines over billions of records on an in-house 30TB-RAM hadoop cluster
- 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

Skills acquired: swimming | cycling | sailing | skiing

Coding

Skills acquired: hackerrank | personal projects

Travel

Skills acquired: youtube