

Internship opportunities in Data Science and/or Machine Learning

Introduction

Amadeus' purpose is power better journeys, using the latest technologies to develop solutions for our customers. We sit at the heart of every travel journey – journeys that are personalized, rewarding and purposeful.

We are one of the world's top 10 software companies with a global team of 19,000 professionals of 145 nationalities, working across 190 countries.

The future of travel has never been more exciting! With us, you won't just be shaping your own career, you will be shaping the way the world moves. Do you want to be a part of it? Great, then join us!

Summary of the activities

Being part of a team where you will participate to build solutions to facilitate the journey for millions of travellers every year. You will gain a first experience in Data Science and/or Machine Learning, according to your studies and skills. You will participate to a multicultural English-speaking team. You will have the opportunity to learn and on the same time contribute to your teams' tasks.

During this experience

You will have the opportunity to understand the Amadeus **technical architecture** and participate to the investigation of the most recent **Big Data technologies** to make Amadeus' products even better and clarify the **requirements** with people in charge of the Product Definition.

You will also contribute to the **development, deployment and implementation** of Big Data solution on Amadeus' Business Intelligence Platform, to the analysis of data, and help in transforming a bulk of disorganized data into knowledge that can be consumed via the web. You will help to the **deliver technical and functional documents** and to the **performance tests**.

The ideal candidate

Is pursuing Bachelor/Master's degree studies in Computer Science, Databases Management, Machine Learning, or related technical field, and has a good level of proficiency in English.

It would be ideal to have a first knowledge or experience in **software development, database administration, Business Intelligence or machine learning** and in some of the following technologies: **Hadoop, Spark, Cloudera, Scala, Hive or Python, DashDB, MySQL, MongoDB, Cassandra**, and have heard about or worked with Agile methodologies.

If you have a strong analytical mindset, enjoy developing the best solutions for customers, eager to learn everyday & evolve in a multicultural & challenging environment, apply now!

What we can offer you

- Join in one of the world's top 10 software companies that never stops growing
- Impact millions of travellers from all around the globe by solving problems
- Constantly learn new skills and try new ideas with the best IT experts
- Be part of a multicultural team of 19,000 professionals and get the chance to master your English skills
- Blend in a great community of +200 international students and access a great place to network!
- Transportation reimbursement upon conditions

- Super activities provided by the “company committee” (CSE) with great offers from ski resort, spa, gym package, concerts to cinema and much more
- Showers convenience for the sport practitioners
- Have a support in relocation to Nice offices

Application process

The application process takes around **10 minutes to complete**: create your candidate profile in our system, upload your resume & answer to few questions so we are ready to study your application!

If your application fits the mandatory requirements, you will have a **prequalification call** with the People & Culture department. If the **interview** is successful, your profile will be accessible to our **hiring managers**; they will be the next Amadeus representative to contact you.

If **you are selected** for the trainee or apprentice position, **we will make you an offer in the next days** through the Amadeus placement agreement.

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Internship opportunities in Software Development Back-End

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Summary of the activities

Being part of a team where you will participate to program software to facilitate the journey for millions of travellers every year. You will gain a first experience in Backend Software Development according to your studies and skills. You will have the opportunity to learn and on the same time contribute to your teams' tasks.

During this experience

You will be part of a team that **work out what users need**.

Use your technical skills and knowledge while participating to the development of software by following Amadeus standards and guidelines.

You may contribute to*:

- the **analysis** of customer needs,
- run feasibility studies, **design software technology(ies)** and **code** it,
- discuss the **solutions developed** with the Product Managers & users to get **feedback**, participate to unit, package and **performance** tests to ensure reliability,
- go through the checking phases to ensure our software works for other people, produce software **documentation** necessary for the application and issuing it to the requesting departments.

By applying now, you might get the chance to be part of innovative projects such as*:

- Facial recognition / Eye tracking application for hotels
- Chatbot, Artificial intelligence or Machine Learning solutions for user experience
- Technological productivity tools for e-commerce or streaming platforms
- Travellers profiling
- Cloud based projects

*The list of activities is not exhaustive and may vary according to the department and the team.

The ideal candidate

Is pursuing Bachelor/Master's degree studies in Computer Science, or related technical field and has a good level of proficiency in English.

A first knowledge and/or experience in backend software development in agile methodologies environment, in one or more the following technologies would be ideal: C/C++, Java, J2EE, Python, Java/Swing. Also, it would be nice to have heard or worked already with RDBMS/SQL (Oracle preferred), NoSQL (MongoDB, Hadoop ecosystem), Standard Template Library and Unix/Linux, cloud.

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Internship opportunities in Software Development

Front-End

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Summary of the activities

Being part of a team where you will participate to program software to facilitate the journey for millions of travellers every year. You will gain a first experience in Frontend Software Development according to your studies and skills. You will have the opportunity to learn and on the same time contribute to your teams' tasks.

During this experience

You will be part of a team that **works out what users need**.

Develop your technical skills and knowledge while participating to the development of software by following Amadeus standards and guidelines.

You may contribute to*:

- the **analysis** of customer needs,
- run feasibility studies, **design software technology(ies)** and **code** it,
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The ideal candidate

Is pursuing Bachelor/Master's degree studies in Computer Science, or related technical field and has a good level of proficiency in English.

A first knowledge and/or experience in frontend software development, in **agile methodologies environment**, in one or more the following technologies would be ideal: **HTML5, CSS, JavaScript, Ajax, Angular**. Also, it would be nice to have heard or worked already with **React, Freemaker, SQL, NoSQL**.

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Internship opportunities in Cloud Technologies

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Summary of the activities

Being part of one of our key topics to implement cloud-based solutions to our large-scale platforms (thousands of transactions per seconds). You will participate to optimize these solutions through Business Intelligence and Big Data, based on a high performance, distributed micro-services architecture and latest technologies to manage search, bookings, reservations, check-in and departure processes for all travellers. You will gain a first experience in cloud technologies, according to your studies and skills. You will participate to a multicultural English-speaking team. You will have the opportunity to learn and on the same time contribute to your teams' tasks: development, integration, DevOps etc).

During this experience

You will have the opportunity to discover our applications, infrastructure and technologies that are built to handle massive growth and volume reliably and make material contributions to the tooling and services that power our technology.

You may contribute to*:

- **plan, design and develop cloud-based applications**, in accordance with company security guidelines.
- **deploy and debug cloud initiatives** as needed in accordance with best practices throughout the development lifecycle Configure,
- **scale open source software** including: Docker, rkt, Kubernetes, Prometheus, Fluentd, Flannel, Elasticsearch, Kafka, Couchbase, Hadoop, etc.

*The list of activities is not exhaustive and may vary according to the department and the team.

The ideal candidate

Is pursuing Bachelor/Master's degree studies in Computer Science, or related technical field and has a good level of proficiency in English.

A first-hand knowledge and/or experience in software development, in cloud deployment, and in some of the following technologies: C, C++ or Java, and Shell, Perl, GO or Python.

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