

Machine Learning & Data Science internships

Description

As a Data Scientist/Machine Learning Intern at Criteo, within the Engine team, you will be part of the R&D responsible for designing systems with company-wide impact, pushing further technical boundaries. You will be integrating within a world-class team of software engineers and data scientists.

What you can expect

In a team of 5-7, you will be working closely with your mentor to drive your project, design and ensure best practices are applied. You can ask questions and participate in all knowledge sharing sessions/workshops, etc. You are encouraged to actively voice your ideas whilst learning how to build and ship quality code into production which will likely affect millions of users instantly. You will gain a better understanding of Machine Learning at scale and work on projects with a real impact.

What you could work on

- Elaborate statistical algorithms to monitor feature distribution.
- After embedding users, we could embed partners.
- Bench Machine Learning algorithms for prospecting scoring.
- Improve offline prediction model.
- Deep models for prediction.

To qualify for this mission

- You are in your final year of study in Statistics, Machine Learning with a major in Computer Science.
- Experience with traditional and modern statistical learning techniques and you are proficient at processing data.
- Implementation experience with high-level languages, such as R, Python, Perl, Ruby, Scala Passion for code quality, you are curious and dynamic.
- Experience in sourcing, cleaning, manipulating and analyzing large volumes of data.
- Good communication skills in English.

Useful information

- Candidates we are considering are in their final year of studies, expected to graduate in 2018
- Start dates are flexible, applicants will be considered on a rolling basis
- Location : Criteo HQ in Paris
- Contract: 6 month internship (possibility of a long-term contract after the internship)
- Compensation package: Internship grant + company restaurant +50% of transport costs

Criteo R&D Culture

- **Empowerment** – We believe in hiring the best engineers in the industry and then letting them get on with what they do best – designing, coding and releasing state of the art software.
- **Mobility** – In our Voyager program our engineers get to pick which team they want to work on for 2-4 weeks, boosting collaboration, networking and maybe even leading to switching teams.
- **Agility** - We work in a fast pace environment where we build and release stuff frequently to deliver value soon and adapt to changes quickly.
- **Variety** – We have many ways to get your code to production including our Hackathon, 10% projects, Voyager and more.
- **Multicultural** – We have engineers from all over the world for you to interact and exchange ideas with.

Our culture keeps evolving, and you will be expected to contribute actively with new ideas to complement and enhance the existing programs that include frictionless internal mobility, 10% time, mentoring, technical talks, hackathons, conferences, etc.

About Criteo

Criteo (CRTO), the leader in commerce marketing, is building the highest performing and open commerce marketing ecosystem to drive profits and sales for retailers and brands. 2,700 Criteo team members partner with 16,000

customers and thousands of publishers across the globe to deliver performance at scale by connecting shoppers to the things they need and love. Designed for commerce, Criteo Commerce Marketing Ecosystem sees over \$550 billion in annual commerce sales data. For more information, please visit www.criteo.com.

The 600+ engineers @Criteo are building the next generation digital advertising technologies that allow us to manage billions of ad impressions every day. We're working in a very fast-paced release cycle and are adding new capabilities weekly and even daily.

A few figures:

- 15 datacenters (9 with computing capacity + 6 dedicated to network connectivity) across US, EU, APAC
- More than 24K servers, running a mix of Linux and Windows
- One of the largest Hadoop clusters in Europe with close to 108PB of storage and 32.000 cores
- 150B HTTP requests and close to 4B unique banners displayed per day
- Close to 3M HTTP requests per second handled during peak times
- 130Gbps of bandwidth, half of it through peering exchanges

We recognize that engineering culture is key for building a world-class engineering organization. Our core values are getting stuff done, collaboration and respect, code quality, striving for excellence, and having fun at what we do.

Do you want to know more about life in the R&D?

Youtube: [R&D Criteo @ Europe](#)

Our blog: <http://www.criteolabs.com>

Twitter: @CriteoEng