Join DEEPTIMIZE as
Data Scientist Intern
(6 months)

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ABOUT

The first lever of sport performance is sport technique which is determined by two things: **posture and movement**.

And, at training time, on a daily basis, posture and movement are defined by two sides that interact in order to **optimize** it:
One one side, **coaches** use their visual expertize and their experience to analyze and correct. One the other side, **athletes** use their proprioception i.e. the perception of their own body in space to apply corrections and optimize its technique.

So, in this environnement, posture and movement are **subjective and qualitative data** which makes them hard to optimize.

This problematic impacts as well **professional athletes** who are evolving in an increasingly competitive environment; **amateur athletes** who are exposed to numerous injuries often due to the repetition of small parasitic movements; **coaches** who want to communicate their expertise in the clearest and most precise manner; and **companies that innovate in the field of sport** that want to quantify the impact of their products on the movement and therefore on the sports performance.

DEEPTIMIZE is the **first AI online platform** that enables, from a simple photo/video, to automatically extract **quantitative data** related to posture and movement To do so, we leverage the latest and **most advanced computer vision** and machine learning methods to provide visualizations and data that are actionable by both coaches and athletes.

THE ROLE

DEEPTIMIZE is an **early-stage start-up** that is going to grow fast with an ambitious strategic development. Thus, as an intern in DEEPTIMIZE, you'll have a specific mission but you also will have the opportunity to **discover all about entrepreneurship**.

Your main mission will be to:
First, **compare** and experiment different **methods** for pose estimation;
Second, **create** a new **dataset** for our needs;
Third, **improve** existing models using this dataset.

This internship will make you one of the first joiners at DEEPTIMIZE and will open to a full time position as data scientist and/or a Ph.D. in a great research lab financed.

DESIRABLE SKILLS

Technical:
You are currently graduating a **Master's degree** in Statistics, Applied Mathematics, Data Science or Engineering;
Knowledge in machine learning, **deep learning** and more particularly computer vision (CNN mostly), and one of the main **libraries for ML** (TensorFlow, PyTorch, Scikit-learn ...).
Good skills in **Python**.
Scientific rigor.

Personal:
You like to **build from scratch** and learning;
You are passionate and motivated by **sports/health**.
Good **english** (written and spoken) ;
Excellent communication skills;

WE OFFER

Good salary for an internship**;**
Building the future of sport technique, posture and movement, and having a great impact on sport performance and health;
Working and develop new **state-of-the-art AI** methods;
A company where you can **learn as you go** with an **ambitious and benevolent team** to be built;
Office in one of the **world's best incubator for sport innovation** (and some remote if you want).

JOIN US

If you are interested or know someone who might be interested, feel free to contact us at contact@deeptimize.com.